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THE NEW YORK MINERALOGICAL CLUB
AND
THE NEW YORK MATHEMATICAL SOCIETY.

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Total Membership 518, divided as follows: Resident Fellows 69; Resident Members 163; Corresponding Members 238; Honorary Members 48.

Meetings are held in Hamilton Hall, Columbia College, on Monday Evenings from October to June.

Annual Dues, \$10.00. Initiation Fee, \$10.00.

Annual Meeting, the Fourth Monday in February.

PUBLICATIONS. Annals of the Lyceum of Natural History, 2 Volumes; Proceedings of the Lyceum of Natural History, 2 Series; Annals of the New York Academy of Sciences, now in the 6th volume; Transactions of the New York Academy of Sciences, now in the 11th volume. In addition to these, a number of Lists of Members and pamphlets on special subjects have been issued.

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The Library consists of about 10,000 Volumes and bound pamphlets, deposited in the Library of Columbia College.

The Academy has no scientific collections.

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THE TORREY BOTANICAL CLUB.

Incorporated, April 21st, 1871. Total Membership 275, divided as follows : Active 130 ; Corresponding 140 ; Honorary 5.

Meetings are held at Columbia College on the 2d Tuesday Evening and last Wednesday Evening of each month from October to June.

Field Meetings are held every Saturday from April to November.

Annual Meeting, the Second Tuesday in January.

Annual Dues, \$4.00. No Initiation Fee required.

Publishes "Bulletin", now in its 18th Volume and "Memoirs" now in the 2d Volume.

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THE NEW YORK MICROSCOPICAL SOCIETY.

Incorporated, 1877. Total Membership 100, divided as follows : Active 73; Corresponding 21; Honorary 6.

Meetings are held on the 1st and 3rd Friday Evenings of each month from October to June, in the hall of the Mott Memorial Library, 64 Madison Avenue.

Annual Meeting, the First Friday of January.

Annual Dues, \$5.00.

Publishes "Journal of the New York Microscopical Society," now in its 7th volume.

Officers for 1891 are as follows : President, P. H. Dudley ; Vice-President, J. D. Hyatt ; Recording Secretary, Bashford Dean, Ph. D., Corresponding Secretary, J. L. Zabriskie ; Treasurer, Chas. S. Schultz ; Librarian, Ludwig Riederer ; Curator, Wm. Beutenmuller.

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The Library contains about 2,000 volumes and is deposited at the place of meeting.

The Cabinet contains about 5,000 specimens.

THE LINNÆAN SOCIETY OF NEW YORK.

Organized, March 7th, 1878. Not Incorporated. Total Membership 81, divided as follows: Resident 43; Corresponding 35; Honorary 3.

Meetings are held at the American Museum of Natural History on the 1st and 3d Wednesday Evenings of each month.

Annual Meeting, the First Wednesday in March.

Annual Dues, \$3.00. Initiation Fee, \$2.00.

Publishes "Transactions," two volumes issued, and "Abstract of Proceedings," three numbers issued.

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The Library consists mainly of Exchanges derived from publications.

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THE NEW YORK MINERALOGICAL CLUB.

Organized, 1887. Not Incorporated. Total Membership, 60, not classified.

Meetings are held monthly, but no definite dates are appointed, from October to May. Field Excursions are held during the summer months.

Annual Meeting in April.

Annual Dues, \$1.00. No Initiation Fee required.

Officers for 1891-1892. President, elected for each meeting ; Secretary, Geo. F. Kunz ; Treasurer, J. W. Freckleton.

EXECUTIVE COMMITTEE : E. S. F. Arnold, Geo. F. Kunz, D. S. Martin.

The Club owns the B. B. Chamberlain collection of New York Island Minerals, deposited, with other strictly local specimens, in the American Museum of Natural History.

THE NEW YORK MATHEMATICAL SOCIETY.

Organized, Nov. 24, 1888. Not Incorporated. Total Membership 160, not classified. Local members, included in this Directory, 31.

Meetings are held on the 1st Friday Evening of each month from October to June, at Columbia College.

Annual Meeting, during the week between Christmas and New Year's Day.

Annual Dues, \$5.00. No Initiation Fee required.

The publication of a "Bulletin" is to be commenced in October, 1891.

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THE NEW YORK ACADEMY OF SCIENCES.

Organized as the Lyceum of Natural History, Feb. 24th, 1817; chartered April 20th, 1818; reorganized as the New York Academy of Sciences, Feb. 21st, 1876.

Total Membership 601, divided as follows: Resident Fellows 71; Resident Members 154; Corresponding Members 330; Honorary Members 46.

Meetings are held in Hamilton Hall, Columbia College, on Monday Evenings from October to June.

Annual Dues, \$10.00. Initiation Fee, \$5.00.

Annual Meeting, the Fourth Monday in February.

Number of Meetings held May, 1891–May, 1892, 34; average attendance 49.

PUBLICATIONS. Annals of the Lyceum of Natural History, 11 Volumes; Proceedings of the Lyceum of Natural History, 2 Series; Annals of the New York Academy of Sciences, now in the 7th volume; Transactions of the New York Academy of Sciences, now in the 11th volume. In addition to these, a number of Lists of Members and pamphlets on special subjects have been issued.

Officers for 1892–93 are as follows: Honorary President, J. S. Newberry; President, O. P. Hubbard; First Vice-President, J. A. Allen; Second Vice-President, H. Carrington Bolton; Recording Secretary, H. T. Vulté; Corresponding Secretary, Thos. L. Casey; Treasurer, Henry Dudley; Librarian, Jas. F. Kemp.

COUNCIL: N. L. Britton, C. F. Cox, D. S. Martin, Henry F. Osborn, John K. Rees, W. P. Trowbridge.

CURATORS: N. L. Britton, Arthur Hollick, Harold Jacoby, Geo. F. Kunz, F. G. Wiechmann.

PUBLICATION COMMITTEE: Thos. L. Casey, J. A. Allen, H. Carrington Bolton, O. P. Hubbard, D. S. Martin, John K. Rees, H. T. Vulté.

FINANCE COMMITTEE: John H. Hinton, H. G. Marquand, O. B. Potter.

SECTIONS are established in Astronomy and Mineralogy. A Section of Biology will be organized in the Autumn of 1892.

The Library consists of about 10,000 volumes and bound pamphlets, deposited in the Library of Columbia College.

The Academy has no scientific collections.

PAST PRESIDENTS: Samuel L. Mitchell, 1817–1823; John Torrey, 1824–1826 and 1838; Joseph Delafield, 1827–1837; 1839–1865; Charles A. Joy, 1866–1867; John S. Newberry, 1868–1892.

THE TORREY BOTANICAL CLUB.

Incorporated, April 21st, 1871. Total Membership 305, divided as follows: Active 155; Corresponding 145; Honorary 5.

Meetings are held at Columbia College on the 2d Tuesday Evening and last Wednesday Evening of each month from October to June.

Field Meetings are held every Saturday from April to November.

Annual Meeting, the Second Tuesday in January.

Number of meetings held May, 1891-May, 1892, 17; average attendance 30.

Annual Dues, \$4.00. No Initiation Fee required.

Publishes "Bulletin", now in the 19th Volume and "Memoirs," now in the 3rd Volume.

Officers for 1892 are as follows: President, Addison Brown; Vice-Presidents, T. F. Allen, Thos. Hogg; Recording Secretary, Maria O. Steele; Corresponding Secretary, Byron D. Halsted; Treasurer, Henry Ogden; Curator, Josephine E. Rogers; Librarian, Maturin L. Delafield, Jr.; Editor, N. L. Britton; Associate Editors, Emily L. Gregory, Anna Murray Vail, C. Henry Kain, Henry H. Rusby, Arthur Hollick.

FINANCE COMMITTEE: Wm. H. Rudkin, Justus F. Poggenburg.

COMMITTEE ON ADMISSIONS: M. M. Le Brun, Louise M. Stabler.

COMMITTEES ON THE LOCAL FLORA: Phanerogamia: Thos. C. Porter, N. L. Britton, Henry H. Rusby. Cryptogamia: Elizabeth G. Britton, Maria O. Steele, S. Ely Jelliffe.

COMMITTEE ON LIBRARY AND HERBARIUM: The Curator, The Librarian, Cecilia A. Timmerman, L. H. Lighthipe.

COMMITTEE ON INSTRUCTION: H. H. Rusby, J. S. Newberry, Emily L. Gregory, Wm. E. Wheelock, Elizabeth G. Britton, Henry Kraemer, Arthur Hollick.

Scientific Collections consist of an Herbarium of several thousand specimens, illustrating the Flora within 100 miles of New York. The Library is incorporated with the Botanical Library of Columbia College.

PAST PRESIDENTS: John Torrey, 1871-1873; Geo. Thurber, 1873-1880; John S. Newberry, 1880-1890.

THE NEW YORK MICROSCOPICAL SOCIETY.

Incorporated, 1877. Total Membership 103, divided as follows : Active 76; Corresponding 21; Honorary 6.

Meetings are held on the 1st and 3rd Friday Evenings of each month from October to June, at the Mott Memorial Library, 64 Madison Avenue.

Annual Meeting, the First Friday of January.

Number of Meetings May, 1891–May, 1892, 17 ; average attendance 27.

Annual Dues, \$5.00. Initiation Fee, \$5.00.

Publishes "Journal of the New York Microscopical Society," now in its 8th volume.

Officers for 1892 are as follows: President, J. D. Hyatt; Vice-President, Charles S. Schultz; Recording Secretary, Geo. E. Ashby; Corresponding Secretary, J. L. Zabriskie; Treasurer, James Walker; Librarian, Ludwig Riederer; Curator, Geo. E. Ashby.

COMMITTEE ON ADMISSIONS: F. W. Devoe, W. E. Damon, Geo. F. Kunz, F. D. Skeel, Wm. Wales.

COMMITTEE ON PUBLICATIONS: J. L. Zabriskie, Wm. G. De Witt, Walter H. Mead, John L. Wall, Chas. F. Cox.

The Library contains about 2,000 volumes and is deposited at the place of meeting.

The Cabinet contains about 5,000 specimens.

THE LINNÆAN SOCIETY OF NEW YORK.

Organized, March 7th, 1878. Not incorporated. Total Membership 82, divided as follows: Resident 43; Corresponding 36; Honorary 3.

Meetings are held at the American Museum of Natural History on the 1st and 3rd Wednesday Evenings of each month.

Annual Meeting, the First Wednesday in March.

Number of Meetings May, 1891–May, 1892, 16; average attendance 12.

Annual Dues, \$3.00. Initiation Fee, \$2.00.

Publishes "Transactions," two volumes issued, and "Abstract of Proceedings," four numbers issued.

Officers for 1892–1893 are as follows: President, J. A. Allen; Vice-President, Frank M. Chapman; Secretary, Arthur H. Howell; Treasurer, L. S. Foster.

PUBLICATION COMMITTEE: J. A. Allen, L. S. Foster, Arthur H. Howell.

COMMITTEE ON NOMINATIONS TO MEMBERSHIP: J. A. Allen, Frank M. Chapman, L. S. Foster, Arthur H. Howell.

COMMITTEE ON PAPERS: J. A. Allen, C. S. Allen, Frank M. Chapman, Jonathan Dwight, Jr., L. S. Foster, Arthur H. Howell, W. E. D. Scott, Geo. B. Sennett.

The Library consists mainly of Exchanges derived from publications.

PAST PRESIDENTS: C. Hart Merriam, 1878–1879; Eugene P. Bicknell, 1879–1887; Geo. B. Sennett, 1887–1889; J. A. Allen, 1889–1892.

THE NEW YORK MINERALOGICAL CLUB.

Organized, 1887. Not incorporated. Total Membership 64, not classified.

Meetings are held monthly, but no definite dates are appointed, from October to May. Field Excursions are held during the summer months.

Annual Meeting in April.

Number of meetings held May, 1891–May, 1892, 6; average attendance 15; Field Excursions 9.

The Club holds some of its meetings jointly with the N. Y. Academy of Sciences, as a Mineralogical Section thereof. This was the case on November 23rd, 1891, Jan. 25th, and March 28th, 1892; and the papers read on those evenings before the Academy (see list) belong equally to the record of the Club.

Annual Dues, \$1.00. No Initiation Fee required.

Officers for 1891-1892. President, elected for each meeting; Secretary, D. S. Martin; Treasurer, J. W. Freckelton.

EXECUTIVE COMMITTEE: Albert H. Chester, Geo. F. Kunz, Ern. Schernikow.

NOMINATING COMMITTEE: H. D. M. Fair, Frederick Kato.

COMMITTEE ON EXCURSIONS: D. S. Martin, J. D. Hyatt, Ern. Schernikow, Geo. F. Kunz.

CURATORS: R. P. Whitfield, W. D. Schoonmaker, W. Goold Levison.

The Club owns the B. B. Chamberlin collection of New York Island Minerals, deposited, with other strictly local specimens, in the American Museum of Natural History.

THE NEW YORK MATHEMATICAL SOCIETY.

Organized, November 24th, 1888. Not incorporated. Total Membership 224, not classified. Local members, included in this Directory, 40.

Meetings are held on the first Friday evening of each month from October to June inclusive, at Columbia College.

Annual Meeting, during the week between Christmas and New Year's Day.

Annual Dues, \$5.00. No Initiation Fee required.

The "Bulletin of the New York Mathematical Society" is a historical and critical review of mathematical science, appearing ten times a year. It contains the proceedings of the Society. Publication begun in October, 1891.

Officers for 1892 are as follows: President, Emory McClintock; Vice-President, Henry B. Fine; Secretary, Thomas S. Fiske; Treasurer, Harold Jacoby; Librarian, D. A. Murray.

COUNCIL: Thomas Craig, Henry B. Fine, Thomas S. Fiske, Harold Jacoby, W. Woolsey Johnson, Emory McClintock, D. A. Murray, J. E. Oliver, J. K. Rees, J. H. Van Amringe.

PAST PRESIDENT: J. H. Van Amringe, 1888-1890.

NEW YORK SECTION OF THE AMERICAN CHEMICAL SOCIETY.

Organized under Charter of the parent Society, April 29th, 1892. Total Membership 135, divided as follows: Active 119; Associate 16.

Meetings are held at New York University on the first Friday of October, November, December, January, February, March, April, May and June.

Annual Meeting on the first Friday in October.

Annual dues for American Chemical Society, \$5.00. Initiation Fee, \$5.00. No additional dues have been established for the Local Section.

Publishes "Proceedings", in the Journal of the American Chemical Society, now in its 15th Volume.

Officers for the current year are: Chairman, A. H. Sabin; Secretary and Treasurer, Morris Loeb. These, together with H. Carrington Bolton, A. A. Breneman and Wm. McMurtrie, constitute the Executive Committee.

The Library of the American Chemical Society is deposited in the Library of the University of the City of New York.

WORK OF THE COUNCIL FOR THE YEAR MAY, 1891-MAY, 1892.

After a number of preliminary conferences of representatives appointed by the several scientific societies of New York held during the Spring of 1891, the Council of the Scientific Alliance of New York was organized on May 19th of that year. It consists of the President and two other members delegated by each society, and its object is to promote the common interests of the scientific societies of New York City and vicinity. Its officers are a President, a Secretary and a Treasurer.

The first work of the Council was to prepare and issue "A Directory of the Scientific Alliance of New York," a pamphlet of 22 pages, giving the more important facts concerning the organization, libraries and collections of the six societies then forming the Alliance, together with a complete list of their active or resident members. This Directory was distributed in June, 1891.

In September the Council addressed itself to the announcement of the proposed proceedings of the societies in the form of a monthly bulletin, and this bulletin has been issued the first of every month from October, 1891, to May, 1892. Four of the societies have accepted this bulletin as their only method of announcing meetings, while the other two issue independent announcements as well.

The number of longer scientific communications presented before the six societies and enumerated in the following list, nearly all of them having been announced on the bulletins, was 112.

The Council has held eight meetings.

Believing that one of the most important things needed for the welfare of the societies is a common place of meeting, where their libraries can be shelved and consulted and their work facilitated, the Council appointed a Building Committee at the meeting of Sept. 28th, 1891. This Committee consists of the President of the Council and one delegate from each of the societies. It has held several meetings and conferences, and has received much encouragement, and hopes to have a definite plan to submit during the coming winter.

N. L. BRITTON,
Secretary of the Council.

LIST OF PAPERS PRESENTED BEFORE THE SOCIETIES.

October, 1891, to June, 1892.

- C. S. ALLEN.—Remarks on a recent trip to Florida. Linnæan Society, May 18th.
- J. A. ALLEN.—The Relationships of *Colaptes auratus*. Linnæan Society, Nov. 4th.
Definite versus fortuitous Variation. Linnæan Society, Jan. 20th.
The Fly-catchers of South America. Linnæan Society, April 6th.
Geographical Variation in North American Mammals and Birds. Academy of Sciences, April 25th.
- MAXIME BÖCHER.—On Collineation as a Mode of Motion. Mathematical Society, June 4th.
- H. CARRINGTON BOLTON.—Street Scenes in Cairo and Glimpses of the Nile. Academy of Sciences, Public Lecture Course, Feb. 15th.
Chemical Arts in Bible Times. Academy of Sciences, April 11th.
A Select Bibliography of Chemistry. Academy of Sciences, May 23rd.
Historical Notes on the Gold-cure. Academy of Sciences, June 6th.
- J. H. BOYD.—An expression for the Total Surface of an Ellipsoid in terms of Σ and Π functions, including an Application to the Surface of a Prolate Spheroid. Mathematical Society, June 4th.
- ELIZABETH G. BRITTON.—Mosses, their Structure and Classification. Torrey Botanical Club, May 10th.
- N. L. BRITTON.—The American Species of the Genus *Anemone* and the Genera which have been referred to it. Academy of Sciences, Oct. 12th.
Some Botanical Gardens of the Old World. Illustrated lecture, Torrey Botanical Club, Oct. 28th.
The Genus *Scirpus* in North America. Microscopical Society, Dec. 4th.
A List of Species of the Genera *Scirpus* and *Rhynchospora* occurring in North America. Academy of Sciences, Feb. 22nd.
Note on a Collection of Tertiary Fossil Plants from Cerro Pasco de Potosi, Bolivia, made by Dr. F. A. Canfield and Dr. Arthur F. Wendt. Academy of Sciences, April 25th.
On the Paraguayan Plants collected by Dr. Thos. Morong, 1888-1890. Academy of Sciences, June 6th.
- F. M. CHAPMAN.—Remarks on the Grackles of the Subgenus *Quiscalus*. Linnæan Society, Oct. 7th.
Remarks upon the Birds of Corpus Christi and Nueces Bays, Texas (with Geo. B. Sennett). Linnæan Society, Dec. 16th.
Remarks on a recent trip to Cuba. Linnæan Society, May 4th.

- ALBERT H. CHESTER.—The Origin and History of Mineralogical Names. Academy of Sciences, Jan. 25th.
- JOHN A. CHURCH.—The Railway Problem in China. Academy of Sciences, Dec. 14th.
- HERBERT W. CONN.—Friendly Bacteria. Torrey Botanical Club, Dec. 30th.
- GRACE E. COOLEY.—A Botanist's impressions of Alaska. Torrey Botanical Club, Jan. 27th.
- C. F. COX.—What is a Diatom? Microscopical Society, Dec. 18th.
- CARLTON C. CURTIS.—The Anatomy of the Stem of *Wistaria Sinensis*. Microscopical Society, May 6th.
- EDWARD H. DAY.—Fern Gathering in Jamaica. Torrey Botanical Club, April 12th.
- P. H. DUDLEY.—Structure in Steel. Microscopical Society, Jan. 5th.
- B. HICKS DUTCHER.—A Summer's Collecting in Southern California. Linnæan Society, Feb. 17th.
- WM. DUTCHER. Notes on two recent Trips to Long Island. Linnæan Society, Oct. 21st (with L. S. Foster).
- JONATHAN DWIGHT, JR.—Remarks upon some Kansas Birds. Linnæan Society, Nov. 18th.
- ARTHUR H. ELLIOTT.—The Contributions of Organic Chemistry to Modern Medicine. Academy of Sciences, Public Lecture Course, March 21st.
- EDMUND A. ENGLER.—A Geometrical Construction for finding the Foci of the sections of a Cone of Revolution. Mathematical Society, March 5th.
- H. L. FAIRCHILD.—Mountains, their Origin and History. Academy of Sciences, Public Lecture Course, Dec. 21st.
- J. C. FIELDS.—Transformation of a System of independent Variables. Mathematical Society, Feb. 6th.
- L. S. FOSTER.—Notes on two recent trips to Long Island. Linnæan Society, Oct. 21st (with Wm. Dutcher).
Remarks on Bird-myths, with Examples. Linnæan Society, Dec. 2nd.
The Winter Birds of the Vicinity of New York City. Linnæan Society, March 16th.
- FRANK GILMAN.—Application of Least Squares to the Development of Functions. Mathematical Society, Jan. 2nd.
- EMILY L. GREGORY.—Recent Discoveries concerning Lichens. Torrey Botanical Club, Nov. 25th.
Some Facts in reference to old and new Views on Plant Physiology. Torrey Botanical Club, May 25th.

- T. PROCTOR HALL.—The Cubic-projection and Rotation of a Tesseract. Mathematical Society, April 2nd.
- BYRON D. HALSTED.—Parasitic Fungi as related to Variegated Plants. Torrey Botanical Club, Feb. 9th.
- CARL HEITZMAN.—The Fallacy of the Cell Theory. Microscopical Society, April 1st.
- E. VON HESSE S. WARTEGG.—The Progress of Standard Time in Europe. Academy of Sciences, Jan. 4th.
- ARTHUR HOLLICK.—A Memorial of the late Dr. John I. Northrop. Academy of Sciences, Oct. 12th.
The Palæontology of the Cretaceous Formation on Staten Island. Academy of Sciences, Feb. 29th.
- FRANKLIN W. HOOPER.—The Lochs and Crannogs of Scotland. Academy of Sciences, Public Lecture Course, Jan. 18th.
- ARTHUR H. HOWELL.—Some Holiday Collecting Trips. Linnæan Society, April 20th.
- HAROLD JACOBY.—The Determination of Azimuth by Elongations of Polaris. Mathematical Society, Oct. 3rd.
The Reduction of Transit Observations by Least Squares. Academy of Sciences, Nov. 2nd.
Report upon the Astronomical papers read before the National Academy of Sciences during its last meeting. Academy of Sciences, Dec. 7th.
The Rutherford Photographic Measures of the Stars about β Cygni. Academy of Sciences, April 4th.
- SMITH ELY JELLIFFE.—Lichens, an account of the more common Species. Torrey Botanical Club, April 27th.
- W. WOOLSEY JOHNSON.—On Peter's Formula for probable error. Mathematical Society, June 4th.
- A. A. JULIEN.—A Fungus in Silicified Wood from Arizona and Texas. Microscopical Society, Jan. 15th.
Elves of the Air. Academy of Sciences, Popular Lecture Course, April 18th.
- JAS. F. KEMP.—The Trap Dikes of the Lake Champlain Valley. Academy of Sciences, Oct. 19th.
The Elæolite Syenite and Associated Basic Rocks near Beemerville, N. J. Academy of Sciences, Feb. 1st.
Petrographical Notes. Academy of Sciences, May 23rd.
- HENRY KRÆMER.—Report on the Field Excursions of the Torrey Botanical Club during the last Season. Torrey Botanical Club, March 8th.

GEO. F. KUNZ.—Observations on the Opal Mines of Hungary, and the Occurrence of Opal in Washington State and Oregon. Academy of Sciences, Nov. 23rd.

The Origin of the Garnets and Associated Minerals in the Garnet District of Bohemia and Saxony. Academy of Sciences, Nov. 23rd.

Notes on the Minerals, Gems and Ethnology of the Ural Mountains, as observed during a Recent Trip. Academy of Sciences, March 28th.

L. H. LAUDY.—Recent Researches on the Solar Spectrum. Academy of Sciences, May 9th.

SAMUEL LOCKWOOD.—The Blood of Kemmler after his Execution. Microscopical Society, Feb. 19th.

LEVERETT M. LOOMIS.—A Theory of Migration. Linnæan Society, March 2nd.

E. G. LOVE.—The History and Development of the Microscope. Microscopical Society, Oct. 2nd.

Lantern-slide Exhibition of Photo-micrographs. Microscopical Society, May 20th.

EMORY MCCLINTOCK.—The Computation of Covariants by Transvection. Mathematical Society, Jan. 2nd.

ALEXANDER MACFARLANE.—On Exact Analysis as the Basis of Language. Mathematical Society, March 5th.

The Fundamental Theorems of Analysis generalized for Space. Mathematical Society, May 7th.

C. R. MANN.—Transit Factors for the Observatory of Columbia College (with J. T. Monell). Academy of Sciences, Dec. 7th.

ARTEMUS MARTIN.—Powers of Numbers whose Sum is the same Power of some Number. Mathematical Society, Oct. 3rd.

D. S. MARTIN.—Points of interest noted at the Meetings of the American Association for the Advancement of Science, the American Geological Society and the International Congress of Geologists, Washington, 1891. Academy of Sciences, Nov. 9th.

OTIS T. MASON.—Woman's Part in the Earlier Civilizations. Academy of Sciences, Public Lecture Course, Nov. 16th.

MANSFIELD MERRIMAN.—On final Formulas for the Algebraic Solution of Quartic Equations. Mathematical Society, April 2nd.

J. T. MONELL.—Transit Factors for the Observatory of Columbia College (with C. R. Mann). Academy of Sciences, Dec. 7th.

THOS. MORONG.—Paraguay—the Land and the People. Academy of Sciences, Public Lecture Course, Oct. 26th.

The Pronunciation of Botanical Terms. Torrey Botanical Club, Feb. 24th.

J. W. NICHOLSON.—A simple and direct Method of separating the Roots of ordinary Equations. Mathematical Society, May 7th.

HENRY F. OSBORN.—The Evolution of the Horse. Academy of Sciences, March 14th.

CHAS. S. PROSSER.—On the Geology of the Skunnemunk Mountains, New York. Academy of Sciences, June 6th.

M. I. PUPIN.—A Peculiar Family of complex Harmonics. Mathematical Society, Dec. 5th.

A new Form of Vacuum Tube and a new Electrodynamic Current Interruptor. Academy of Sciences, Dec. 14th.

Vacuum Discharges and their bearing upon the Electrical Theory of the Solar Corona. Academy of Sciences, Feb. 8th.

Further Experiments in Connection with Vacuum Discharges. Academy of Sciences, May 2nd.

ALBERT L. RAWSON.—A supposed Ancient Wall with Inscriptions. Academy of Sciences, Nov. 9th.

J. K. REES.—Changes on the Lunar Surface with especial Reference to the Visibility of Hyginus N., as shown by the Rutherford (1870), Lick Observatory (1888), and Harvard College Observatory (1889). Photographs. Academy of Sciences, Dec. 7th.

Ancient Astronomical Instruments. Illustrated Lecture. Academy of Sciences, March 7th.

Report of Observations on Comet *b*, 1892 (Swift), made at the Columbia College Observatory. Academy of Sciences, April 4th.

LUDWIG RIEDERER.—The Organs of Sense in Insects. Microscopical Society, Nov. 6th.

HEINRICH RIES.—The Clays of the Hudson River Valley. Academy of Sciences, Nov. 30th.

OGDEN N. ROOD.—Color. Academy of Sciences, Public Lecture Course, May 16th.

H. H. RUSBY.—The Flora of the Higher Catskills. Torrey Botanical Club, Nov. 10th.

Preliminary account of the Collections made by Mr. Miguel Bang in Bolivia, with an account of the general floral features of that country. Torrey Botanical Club, March 30th.

E. A. SCHULTZE.—The Effects of Hydroxylamine as a paralyzing Agent for Contractile Elements. Microscopical Society, Nov. 6th.

GEO. B. SENNETT.—Remarks upon the Birds of Corpus Christi and Nueces Bays, Texas (with F. M. Chapman). Linnæan Society, Dec. 16th.

The Rio Grande Turkey and other Texan Birds. Linnæan Society, April 6th.

- JOHN K. SMALL.—The Flora of Western North Carolina and contiguous Territory. Torrey Botanical Club, Jan. 12th.
- MARIA O. STEELE.—The Flora of the Catskill Mountains. Torrey Botanical Club, Dec. 8th.
- CHAS. P. STEINMETZ.—The Curves which are Self-reciprocal in a Linear Nulsystem and their Configuration in Space. Mathematical Society, Nov. 7th.
- ALFRED C. STOKES.—A Note on a Variety of *Salpingœca gracilis*, J.—Clk. Microscopical Society, June 17th.
- IRVING STRINGHAM.—A Classification of Logarithmic Systems. Mathematical Society, Oct. 3rd.
- ANNA M. VAIL.—The Flora of the Catskill Mountains. Torrey Botanical Club, Dec. 8th.
- C. VAN BRUNT.—The Flora of the Catskill Mountains. Torrey Botanical Club, Dec. 8th.
- H. T. VULTÉ.—The Natural Dyes as applied to Wool (with D. W. Ward). Academy of Sciences, Jan. 11th.
Commercial Oil Testing. Academy of Sciences, May 23rd.
- D. W. WARD.—The Natural Dyes as applied to Wool (with H. T. Vulté). Academy of Sciences, Jan 11th.
- F. G. WIECHMANN.—Sucrose, Dextrose, Levulose; their quantitative determination when occurring together. Academy of Sciences, May 23rd.
- J. L. ZABRISKIE.—Notes on the Structure of the Fruit-stone of the Date, *Phoenix dactylifera* L. Microscopical Society, June 3rd.

DIRECTORY.

NOTE: The *italic* letters following the name indicate membership in the societies of the Alliance, *e. g.*—*a* New York Academy of Sciences; *b* Torrey Botanical Club; *c* New York Section of the American Chemical Society; *l* Linnæan Society of New York; *m* New York Microscopical Society; *ma* New York Mathematical Society; *mi* New York Mineralogical Club.

ABBOTT, FRANK, M.D.,— <i>a</i>	22 West 40th st.
ADRIANCE, J. H.,— <i>c</i>	2 West 36th st.
AGARD, MISS SARAH J.,— <i>b</i>	139 Pleasant ave., St. Paul, Minn.
ALLEN, C. SLOVER, M.D.,— <i>l</i>	21 East 28th st.
ALLEN, J. A. Ph.D.,— <i>a, b, l</i>	Am. Mus. Nat. History.
ALLEN, PROF. T. F., M.D.,— <i>a, b</i>	10 East 36th st.
ALSBERG, M., M.D.,— <i>c</i>	54 Maiden Lane.
AMEND, B. G.,— <i>a, c, mi</i>	120 East 19th st.
AMEND, O. P.,— <i>b, c</i>	205 Third avenue.
ANDREWS, PROF.,— <i>mi</i>	West Point, N. Y.
ANDREWS, MISS MARY S.,— <i>b</i>	44 Irving Place.
ANGELL, J. W. G.,— <i>m</i>	44 Hudson st.
APGAR, DE WITT J.,— <i>a</i>	19 West 38th st.
ARCHBOLD, GEO., M.D.,— <i>c</i>	123 Front st.
ARNOLD, E. S. F., M.D.,— <i>a, mi</i>	Newport, R. I.
ASHBY, GEORGE E.,— <i>m</i>	103 Maiden Lane.
AUSTEN, P. T., Ph. D.,— <i>c</i>	178 Front st.
AYRES, MISS SABRA G.,— <i>b</i>	54 Park Place, Newark, N. J.
AYRES, SERENO N.,— <i>m</i>	1½ Maiden Lane.
BAILEY, JAMES M.,— <i>a</i>	77 Madison avenue.
BALDWIN, H. B.,— <i>c</i>	215 Market st., Newark, N. J.
BANKS, DAVID S.,— <i>a</i>	267 Fifth avenue.
BARNES, MISS E. L.,— <i>b</i>	1944 Madison avenue.
BARNHART, JOHN H.,— <i>b</i>	Tarrytown, N. Y.
BARSTOW, DONALD M., M.D.,— <i>b</i>	P. O. Box 57, Flushing, N. Y.
BARTLEY, E. H., M. D.,— <i>c</i>	21 Lafayette avenue, Brooklyn, N. Y.
BAXTER, JAMES N.,— <i>b</i>	Division and Canton sts., Brooklyn, N. Y.
BEACH, ALFRED E.,— <i>a</i>	361 Broadway.
BECK, FANNING C. T.,— <i>a</i>	78 East 56th st.
BECKWITH, L. F.,— <i>c</i>	115 West 38th st.
BELL, CLARK,— <i>a</i>	57 Broadway.
BENNETT, HENRY C.,— <i>m</i>	256 West 42d st.
BERNACKI, CHARLES, M.D.,— <i>a</i>	36 West 28th st.
BERRY, W. S.,— <i>c</i>	42 Bleecker st.

- BEUTENMULLER, WILLIAM,—*b, m*..... Am. Mus. Nat. Hist.
 BICKMORE, A. S.,—*a*..... Am. Mus. Nat. Hist.
 BICKNELL, EUGENE P.,—*b*, ... P. O. Box 2958, N. Y. City.
 BIEN, JULIUS,—*a*..... 139 Duane st.
 BIGGS, CHARLES A.,—*a*..... 646 Broadway.
 BLAKE, EDWIN M.,—*ma* Columbia College.
 BOGERT, MARSTEN T.,—*l*..... Flushing, N. Y.
 BOLLES, REV. E. C., D.D.,—*m*.. 29 West 11th st.
 BOLTON, H. CARRINGTON, Ph.D.,—*a, c*.. University Club.
 BOORAEM, J. V. V.—*c* N. 3d and 1st st., Brooklyn, N. Y.
 BOURGOUGNON, A.,—*c* 128 Berkeley place, Brooklyn, N. Y.
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 BRAUN, FREDERICK,—*mi*..... 17 Crosby st.
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 BROWNE, SILAS B.,—*a*..... 322 West 56th st.
 BROWNE, JOHN S.,—*a*..... 17 West 43d st.
 BRUSH, CHARLES B.,—*a*..... 349 West 56th st.
 BRYCE, WILLIAM, JR.,—*b*..... 40 West 54th st.
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- CONGDON, E. G.,—*c*..... 18 Broadway.
- CONKLIN, W. A., Ph.D.,—*a, l*..... 187th st. and Tenth avenue.
- CONKLING, ALFRED R.,—*a* 27 East 10th st.
- CONSTANT, S. VICTOR,—*a*..... 405 West 21st st.
- CONSTANTINI, MISS FREDERICA,—*b*..... 157 East 49th st.
- COOLEY, MISS HELEN,—*b*..... 116 West 59th st.
- COOPER, HON. EDWARD,—*a*..... 12 Washington Square, N.
- COTHEAL, ALEXANDER J.,—*a*..... 62 West 36th st.
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- CRAWFORD, G. H.,—*m*..... 229 Broadway.
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- CRUMBIE, W. D.,—*c*..... 402 Washington st.
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- DALY, MRS. MARIA L.,—*b*..... 84 Clinton Place.
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- DELAFIELD, MATURIN L., JR.,—*b*..... 475 Fifth avenue.
- DENNETT, WM. S., M. D.,—*ma*..... 59 West 45th st.
- DENTON, E. S.,—*mi*..... West Point, N. Y.
- DEVOE, FREDERICK W.,—*a, m*..... 101 Fulton st.
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- DODGE, F. E.,—*c*..... N. Y. Tartar Co., Brooklyn, N. Y.
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- DOSCHER, HENRY,—*c*..... 142 Ross st., Brooklyn, N. Y.
- DOUGHTY, MRS. ALLA,—*b*..... The Rutland, 254 West 57th st.
- DOUGHTY, MISS ELIZABETH,—*b*..... Englewood, N. J.
- DOUGLASS, ANDREW E.,—*a*..... 9 East 54th st.
- DOW, LORENZO,—*a*..... 25 East 77th st.
- DOWS, MISS MARY,—*b*..... 1 East 69th st.
- DRUMMOND, ISAAC W.,—*a, c*..... 436 West 22d st.
- DRUMMOND, JAMES F.,—*a*..... 436 West 22d st.
- DUDLEY, HENRY,—*a*..... 56 West 57th st.
- DUDLEY, P. H.,—*a, m*..... Grand Central Depot, Room 21.
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- DUTCHER, BASIL H.,—*l*..... 525 Manhattan avenue.
- DUVIVIER, ERNEST,—*a, m*..... 22 Warren st.
- DWIGHT, JONATHAN, JR.,—*a, l*..... 2 East 34th st.
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- EIMER, CHARLES,—*c*..... Third ave. and 18th st.
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- EUNSON, H.,—*mi*..... 23 East 14th st.
- EYERMANN, JOHN,—*a*..... Easton, Penn.
- FACKLER, DAVID P.,—*ma*..... 20 Nassau st.
- FAIR, HENRY D. M.,—*mi*..... Sing Sing, N. Y.
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- FAULKNER, CHARLES S.,—*l*..... 48 East 22d st.
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- FIELD, C. DEPEYSTER,—*a*..... 21 East 26th st.
- FISCHER, CHARLES S., JR., M.D.,—*a*.... 110 West 128th st.
- FISH, HON. HAMILTON, LL.D.,—*a*.... 251 East 17th st.
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HARTT, JAMES C.,— <i>a</i>	21 Cortlandt st.
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HAVEMEYER, H. O.,— <i>c</i>	117 Wall st.
HAVEMEYER, T. O.,— <i>c</i>	117 Wall st.
HAYS, B. FRANK,— <i>b</i>	561 Fifth avenue.
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HEITZMAN, CARL, M.D.,— <i>m</i>	39 West 45th st.
HELLER, MISS L. R.,— <i>b</i>	115 East 82nd st.
HELM, STEPHEN,— <i>m</i>	7 Nassau st.
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Scientific Collections consist of an Herbarium of several thousand specimens, illustrating the Flora within 100 miles of New York. The Library is incorporated with the Botanical Library of Columbia College.

PAST PRESIDENTS: John Torrey, 1871-1873; Geo. Thurber, 1873-1880; John S. Newberry, 1880-1890; Addison Brown, 1891-1892.

THE NEW YORK MICROSCOPICAL SOCIETY.

Incorporated, 1877. Total Membership 105, divided as follows : Active 78 ; Corresponding 21 ; Honorary 6.

Meetings are held on the 1st and 3rd Friday Evenings of each month from October to June, at the Mott Memorial Library, 64 Madison Avenue.

Annual Meeting, the First Friday in January.

Number of Meetings held May, 1892-May, 1893, 18 ; average attendance 26.

Annual Dues, \$5.00. Initiation Fee, \$5.00.

Publishes "Journal of the New York Microscopical Society," now in its 9th volume.

Officers for 1893 are as follows : President, Charles S. Schultz ; Vice-President, Edw. G. Love ; Recording Secretary, Geo. E. Ashby ; Corresponding Secretary, J. L. Zabriskie ; Treasurer, James Walker ; Librarian, Ludwig Riederer ; Curator, Geo. E. Ashby.

COMMITTEE ON ADMISSIONS : F. W. Devoe, W. E. Damon, Edw. G. Love, F. D. Skeel, Wm. Wales.

COMMITTEE ON PUBLICATIONS : J. L. Zabriskie, Wm. G. De Witt, Walter H. Mead, John L. Wall, Chas. F. Cox.

The Library contains about 2,000 volumes and is deposited at the place of meeting.

The Cabinet contains about 5,000 specimens.

THE LINNÆAN SOCIETY OF NEW YORK.

Organized, March 7th, 1878. Not incorporated. Total membership 138, divided as follows: Resident 99; Corresponding 36; Honorary 3.

Meetings are held at the American Museum of Natural History on the 1st and 3rd Wednesday Evenings of each month.

Annual Meeting, the First Wednesday in March.

Number of Meetings held May, 1892–May, 1893, 14; average attendance 14.

Annual Dues, \$3.00. Initiation Fee, \$2.00.

Publishes "Transactions," two volumes issued, and "Abstract of Proceedings," five numbers issued.

Officers for 1893–1894 are as follows: President, J. A. Allen; Vice-President, Frank M. Chapman; Secretary, Arthur H. Howell; Treasurer, L. S. Foster.

PUBLICATION COMMITTEE: J. A. Allen, L. S. Foster, Arthur H. Howell.

COMMITTEE ON NOMINATIONS TO MEMBERSHIP: J. A. Allen, Frank M. Chapman, L. S. Foster, Arthur H. Howell.

COMMITTEE ON PAPERS: J. A. Allen, C. S. Allen, Frank M. Chapman, L. S. Foster, Arthur H. Howell, Geo. B. Sennett, B. H. Dutcher.

The Library consists mainly of Exchanges derived from publications

PAST PRESIDENTS: C. Hart Merriam, 1878–1879; Eugene P. Bicknell, 1879–1887; Geo. B. Sennett, 1887–1889; J. A. Allen, 1889–1893.

THE NEW YORK MINERALOGICAL CLUB.

Organized, 1887. Not incorporated. Total Membership 64, not classified.

Meetings are held monthly, but no definite dates are appointed, from October to May. Field Excursions are held during the summer months.

Annual Meeting in April.

Number of Meetings held May, 1892–May, 1893, 7 ; average attendance 10.

The Club holds some of its meetings jointly with the Mineralogical Section of the N. Y. Academy of Sciences.

Annual Dues, \$1.00. No Initiation Fee required.

Officers for 1892–1893 : President, elected for each meeting ; Secretary, Daniel S. Martin ; Treasurer, W. J. Freckelton.

EXECUTIVE COMMITTEE: Albert H. Chester, Geo. F. Kunz, Ern. Schernikow.

NOMINATING COMMITTEE: H. D. M. Fair, Frederick Kato.

COMMITTEE ON EXCURSIONS: D. S. Martin, J. D. Hyatt, Ern. Schernikow, Geo. F. Kunz, James Walker.

CURATORS: R. P. Whitfield, W. D. Schoonmaker, W. Goold Levison.

The Club owns the B. B. Chamberlin collection of New York Island Minerals, deposited, with other strictly local specimens, in the American Museum of Natural History. Its object is particularly the study of the minerals of Manhattan Island and the vicinity, and the collection and preservation of data and material in relation thereto.

THE NEW YORK MATHEMATICAL SOCIETY.

Organized, November 24th, 1888. Not incorporated. Total Membership 234, not classified. Local Members, included in this Directory, 40.

Meetings are held at 3.30 P. M., on the first Saturday of each month from October to June inclusive, at Columbia College.

Annual Meeting, during the week between Christmas and New Year's Day.

Annual Dues, \$5.00. No Initiation Fee required.

The "Bulletin of the New York Mathematical Society" is a historical and critical review of mathematical science, appearing ten times a year. It contains the proceedings of the Society. Publication begun in October, 1891.

Officers for 1893 are as follows: President, Emory McClintock; Vice-President, Henry B. Fine; Secretary, Thomas S. Fiske; Treasurer, Harold Jacoby; Librarian, D. A. Murray.

COUNCIL: Thomas Craig, Henry B. Fine, Thomas S. Fiske, Harold Jacoby, W. Woolsey Johnson, Emory McClintock. D. A. Murray, J. E. Oliver, J. K. Rees, J. H. Van Amringe.

PAST PRESIDENT: J. H. Van Amringe, 1888-1890.

NEW YORK SECTION OF THE AMERICAN CHEMICAL SOCIETY.

Organized under Charter of the parent Society, April 29th, 1892.
Total Membership 135, divided as follows: Active 119; Associate 16.

Meetings are held at the University of the City of New York on the first Friday of October, November, December, January, February, March, April, May, and June.

Annual Meeting, the First Friday in October.

Annual Dues for American Chemical Society, \$5.00. Initiation Fee \$5.00. No additional dues have been established for the Local Section.

Publishes "Proceedings," in the Journal of the American Chemical Society, now in its 16th volume.

Officers for the current year are: Chairman, A. H. Sabin; Secretary and Treasurer, Morris Loeb. These, together with H. Carrington Bolton, A. A. Breneman and Wm. McMurtrie, constitute the Executive Committee.

The Library of the American Chemical Society is deposited in the University of the City of New York.

REPORT OF THE SECRETARY

For the Year May, 1891–May, 1892.

The Second Annual Directory was distributed early in July, 1892.

The Bulletins have been regularly issued about the first of each month, and have announced very nearly all the papers which have been read before the Societies.

The Council has held eight meetings, a quorum being present at each one. The principal subject of consideration at these meetings has been the general idea of an adequate and permanent home for the societies composing the Alliance, and various suggestions and plans have been investigated through the Building Committee. In this connection the Chairman of that Committee has been in frequent communication with members of the Tilden Trust relative to a hoped-for co-operation between the societies and the Trust, with a view to their joint occupancy of the old City Hall when it is removed to Bryant Park. He has also been in consultation with Mr. Morris K. Jesup, President of the Board of Trustees of the American Museum of Natural History, with reference to the possibility of obtaining an addition to the Museum building, to be especially designed for and devoted to the uses of the scientific societies. Conferences have also been had with President Seth Low, of Columbia College, with a view to opening up the question of joint action by the College and the Alliance for the erection of a scientific building in the centre of the city when the College shall remove to its new site above Central Park. None of these projects have reached any definite stage of negotiation, but they are, together with other similar matters, still under discussion by the Council.

Applications for membership in the Alliance have been received from the American Academy of Anthropology and the New York Branch of the American Section of the Society for Psychical Research. Neither application has been acted upon.

At the meeting of June 7th, 1892, a Committee of one member from each Society was appointed to arrange for the First Joint Meeting of the

members of all the Societies forming the Alliance. The consent of the Societies having been obtained, this meeting was held at the American Museum of Natural History, on Tuesday evening, November 15th, 1892, and addresses were delivered by Hon. Seth Low, Mr. Chas. F. Cox, Hon. Addison Brown, Dr. H. Carrington Bolton and Prof. N. L. Britton. The night proved very stormy. About 150 persons were present.

On November 25th, 1892, the Council appointed a Standing Committee on Finance, consisting of one member from each Society, with the President *ex-officio* as Chairman, and advised the publication and distribution of the addresses delivered at the First Joint Meeting, referring the matter to the Finance Committee with power. By means of personal appeal and a circular this Committee has received the sum of \$1,343. It was subsequently determined to designate this as the General Fund of the Council. The above-mentioned addresses were printed in the form of a pamphlet, and some 2,700 of them distributed in March, 1893.

At the meeting of January 31st, 1893, the Council decided to hold another Joint Meeting, in honor of Professor John Strong Newberry. The consent of the Societies having been obtained, this meeting was held at Columbia College, on March 27th, 1893. An address entitled "A Memorial of Professor John Strong Newberry" was delivered by Prof. H. L. Fairchild of Rochester University; a number of letters were read by Prof. James F. Kemp, and remarks were made by others. On March 23rd the Council appointed a Committee of three to devise a plan for a permanent memorial of Professor Newberry and report it at the Joint Meeting of March 27th. This Committee reported, recommending the formation of a fund to be known as "The John Strong Newberry Fund for Original Scientific Research," to be obtained by subscription and administered by the Council. On April 28th, 1893, this report was accepted, its recommendations approved, and a Committee of three appointed to carry them out.

N. L. BRITTON,
Secretary.

PAPERS PRESENTED BEFORE THE SOCIETIES,

OCTOBER, 1892, TO JUNE, 1893.

TAPPAN ADNEY.—Milicete Indian Natural History. Linnæan Society, Dec. 7th.

CHARLES S. ALLEN.—Notes on Florida. Linnæan Society, Dec. 7th.

How to handle poisonous snakes. Linnæan Society, April 5th.

J. A. ALLEN.—Classification and Nomenclature of the Life Areas of North America. Linnæan Society, Nov. 2d.

On former land connections of the American Continent. Linnæan Society, Jan. 4th.

On the Distribution and Relationships of the Pocket Gophers. Linnæan Society, Jan. 4th.

The Fox Squirrels of the United States. Linnæan Society, Feb. 1st.

Protective Coloration and Mimicry. Linnæan Society, April 19th.

The White-footed Mice of North America. Linnæan Society, June 21st.

T. F. ALLEN.—Notes on New Species of Characeæ. Torrey Botanical Club, Jan. 25th.

GEORGE ARCHBOLD.—The Albuminoids of Maize. Chemical Society, Dec. 2d.

PETER T. AUSTEN.—Some recent Theories and Speculations. Chemical Society, Feb. 3d.

E. E. BARNARD.—Observations on the Transparency of the Crape Ring of Saturn. Photographs made at the Lick Observatory of some Remarkable Comets. Observations of the Surface Markings of Jupiter and an account of the New Satellite. Academy of Sciences, May 1st.

LOUIS B. BISHOP.—Change of Color in the plumage of the Kestrel. Linnæan Society, April 5th.

H. CARRINGTON BOLTON.—The Progress of Chemistry since the Eleventh Century, as depicted in Apparatus and Laboratories. Academy of Sciences, Feb. 27th.

A Plea for a Library of Science in New York City. Scientific Alliance, Joint Meeting, Nov. 15th.

ELIZABETH G. BRITTON.—Remarks on some Mosses of Northern New York. Torrey Botanical Club, Nov. 8th.

The Mosses of White Top Mountain, Va. Torrey Botanical Club, Jan. 25th.

N. L. BRITTON.—*Ranunculus repens* and its Eastern North American Allies. Academy of Sciences, Oct. 3d.

Note on a species of *Hieracium*. Academy of Sciences, October 17th.

The kind of building required by the Scientific Alliance. Scientific Alliance, Joint Meeting, Nov. 15th.

Notes on some interesting Plants of the Adirondack Mountains. Torrey Botanical Club, Dec. 13th.

On *Rusbya*, a new Genus of Vacciniaceæ from Bolivia. Torrey Botanical Club, Dec. 13th.

A Review of the North American Species of the Genus *Lespedeza*. Academy of Sciences, Jan. 9th.

A Memorial of Dr. John Strong Newberry. Torrey Botanical Club, Feb. 22d.

(With Henry Kræmer.) On a Collection of Plants made by Dr. Timothy E. Wilcox, U. S. A., in the Vicinity of Fort Huachuca, Arizona. Torrey Botanical Club, March 29th.

Note on the Genus *Lechea*. Academy of Sciences, April 10th.

The Structure and Classification of Grasses. Illustrated Lecture. Torrey Botanical Club, May 9th.

ADDISON BROWN.—The Need of Endowment for Scientific Research and Publication. Scientific Alliance, Joint Meeting, Nov. 15th.

CHARLES F. CHANDLER.—Aluminium. Academy of Sciences, Public Lecture Course, Oct. 17th.

FRANK M. CHAPMAN.—Notes on the Zoölogy of the Voyages of Columbus. Linnæan Society, Oct. 19th.

An Analysis of the Summer Bird-Life of the Vicinity of New York City, with Remarks on some of the rarer Species. Linnæan Society, Nov. 2d.

On our present knowledge of the Distribution of North American Birds. Linnæan Society, Dec. 7th.

On the Origin of Bird-Life in the West Indies. Academy of Sciences, Dec. 12th.

Protective Coloration among Birds. Linnæan Society, Feb. 1st.

Remarks on a Recent Trip to the Island of Trinidad. Linnæan Society, June 7th.

Birds observed on a Voyage to Trinidad. Linnæan Society, June 21st.

H. W. CONN.—Hostile Bacteria. Illustrated Lecture. Torrey Botanical Club, Dec. 28th.

C. F. COX.—The Advantages of Alliance to the Societies. Scientific Alliance, Joint Meeting, Nov. 15th

Note on Recently Discovered Deposits of Diatomaceous Earth in the Adirondacks. Academy of Sciences, May 8th.

J. E. CRAIG.—Negative Reciprocal Equations. Mathematical Society, June 3d.

THOMAS CRAIG.—Some of the Developments in the Theory of Ordinary Differential Equations between 1878 and 1893. Mathematical Society, Feb. 4th.

E. S. CRAWLEY.—The Forms of Uninodal Quartics with four real and distinct Asymptotes. Mathematical Society, May 6th.

CHARLES R. CROSS.—The Determination and Recent History of Musical Pitch, especially in this country. Academy of Sciences, Public Lecture Course, Jan. 16th.

CARLTON C. CURTISS.—The Seeds of some native Orchids. Torrey Botanical Club, Nov. 30th.

Preliminary Notes on the Atlantic Coast Species of *Polysiphonia*. Torrey Botanical Club, March 14th.

ELLERY W. DAVIS.—Some Geometrical Illustrations of Theorems in Number. Mathematical Society, Oct. 8th.

BASHFORD DEAN.—Habits of the Venus Fly-trap of North Carolina. Academy of Sciences, October 17th.

Trachosteus and *Mylostoma*, notes on their structural characters. Academy of Sciences, Jan. 23d.

The Marine Laboratories of Europe. Academy of Sciences, Feb. 13th.

Early evidence as to the Mode of Origin of the Paired Limbs of Vertebrates. Academy of Sciences, Feb. 23d.

Contributions to the Anatomy of *Dinichthys*. Academy of Sciences, April 10th.

On the Organs of Special Sense in Coccosteids. Academy of Sciences, April 24th.

The Evolution of the Sharks. Academy of Sciences, May 22d.

COURTNEY DEKALB.—Three Thousand Miles up the Amazon. Academy of Sciences, Public Lecture Course, Feb. 20th.

- B. H. DUTCHER.—A Demonstration of the General Points of Avian Anatomy. Linnæan Society, May 3d.
- WILLIAM DUTCHER.—Bird Notes from Long Island. Linnæan Society, May 17th.
Notes on some rare Birds in the collection of the Long Island Historical Society. Linnæan Society, May 17th.
- JONATHAN DWIGHT, JR.—Some Remarks on Kansas Birds. Linnæan Society, Oct. 5th.
- W. H. ECHOLS.—On a general Formula for the Expansion of Functions in Series. Mathematical Society, Jan. 7th.
- ARTHUR MEAD EDWARDS.—The Occurrence of Marine Diatomaceæ in Fresh Water. Microscopical Society, Feb. 17th.
On Mounting in Media of high Refractive Index. Microscopical Society, March 17th.
- D. G. ELLIOT.—The life and works of John James Audubon. Academy of Sciences, April 26th.
- CHARLES H. EMERSON.—Fact and Fallacy in the Boomerang Problem. Academy of Sciences, Jan. 30th.
- E. A. ENGLER.—Geometrical Constructions for cutting from a Cone of Revolution, Plane Sections (*a*) of given eccentricity, (*b*) of given latus rectum. Mathematical Society, May 6th.
- HERMAN L. FAIRCHILD.—A Memoir of Professor J. S. Newberry. Scientific Alliance, Joint Meeting, March 27th.
- WALTER D. FIELD.—Pyroxylin, its Manufacture and Uses. Chemical Society, Jan. 13th.
- HENRY B. FINE.—On a purely algebraic method, not involving the notion of continuity, for treating the theory of contact of algebraic curves. Mathematical Society, Dec. 3d.
- THOMAS S. FISKE.—On Recent Investigations in the Theory of Value and Prices. Mathematical Society, Nov. 5th.
- L. S. FOSTER.—The Spring Birds of the Vicinity of New York City. Linnæan Society, Oct. 19th.
Avian Classification : Suprageneric Groups. Linnæan Society, March 1st.
- E. S. GILBERT.—Faunal Changes. Linnæan Society, Dec. 21st.
- G. K. GILBERT.—A Theory of the Formation of Lunar Craters. Academy of Sciences, Feb. 6th.

- EMILY L. GREGORY.—Notes on *Riccia*. Torrey Botanical Club, Dec. 13th.
Some Theories about Osmosis. Torrey Botanical Club, March 14th.
- WILLIAM HALLOCK.—Investigations of the Temperature of the Earth's Crust. Academy of Sciences, April 3d.
- BYRON D. HALSTED.—Some Results of a Study of Fruit Decays. Torrey Botanical Club, Jan. 10th.
Some Results with Fungicides. Torrey Botanical Club, April 11th.
- CARL HEITZMAN.—Nerves and Nerve Action. Microscopical Society, Feb. 3d.
- LOUIS HEITZMAN.—The Cause of Asiatic Cholera. Microscopical Society, Oct. 21st.
- A. A. HELLER.—Preliminary Report on the Flora of Luzerne County, Penn. Torrey Botanical Club, Jan. 25th.
The U. S. Department of Agriculture Expedition to Idaho in 1892. Torrey Botanical Club, April 11th.
- STEPHEN HELM.—Notes on *Cordylophora lacustris* and *Melicerta ringens*. Microscopical Society, Nov. 4th.
- ARTHUR HOLLICK.—The Palæobotany of the Yellow Gravel of New Jersey. Torrey Botanical Club, Oct. 11th.
Additions to the Palæobotany of the Cretaceous Formation on Staten Island. Academy of Sciences, Nov. 14th.
On Palm Leaves from the Cretaceous Strata at Glen Cove, Long Island. Torrey Botanical Club, March 29th.
Plant Distribution as a Factor in the Interpretation of Geological Phenomena. Academy of Sciences, April 24th.
Preliminary Contribution to our Knowledge of the Cretaceous Formation on Long Island. Academy of Sciences, May 22d.
- ARTHUR H. HOWELL.—Remarks on Birds observed on Long Island during 1892. Linnæan Society, March 15th.
- G. S. HUNTINGTON.—Note on the Ileo-colic Junction of *Procyon lotor*. Academy of Sciences, Dec. 12th.
Muscular Variations, with Especial Reference to Reversions in the Humero-scapular Region. Academy of Sciences, March 13th.
A Recent Preparation of the Kidney of the Elephant. Academy of Sciences, May 8th.

- J. D. HYATT.—A History of the Origin and Formation of the New York Microscopical Society. Microscopical Society, Dec. 2d.
- HAROLD JACOBY.—Notes on some English Observatories. Academy of Sciences, Nov. 7th.
 The Parallaxes of μ and θ Cassiopeiæ, deduced from Rutherford Photographic Measures. Academy of Sciences, Jan. 9th.
 The Parallax of δ Cygni. Academy of Sciences, March 6th.
- THEODORE F. JEWELL.—Torpedoes. Academy of Sciences, Public Lecture Course, March 20th.
- W. WOOLSEY JOHNSON.—On a Case of Non-Euclidean Geometry. Mathematical Society, March 4th.
- A. A. JULIEN.—Suggestions in Microscopical Technique. Academy of Sciences, Jan. 9th. Microscopical Society, Jan. 20th.
 A Study of the New York Obelisk as a Decayed Boulder. Academy of Sciences, April 24th.
- JAMES F. KEMP.—A Review of the Geological Work hitherto done in the Adirondacks. Academy of Sciences, Oct. 24th.
 On an Occurrence of Gabbro in Eastern Pennsylvania. Academy of Sciences, Jan. 23d.
 (With Arthur Hollick.) The Granite at Mounts Adam and Eve, Orange County, N. Y., and its Contact Phenomena. Academy of Sciences, May 22d.
- HENRY KRÆMER.—Report of the Chairman of the Field Committee, Torrey Botanical Club, for 1892. Torrey Botanical Club, Feb. 14th.
- G. F. KUNZ.—On the First Known Occurrence of Topaz in Texas. Academy of Sciences, Feb. 23d.
- U. I. LANE.—On Muter's Method of Analysis of Fats and Oils. Chemical Society, June 2d.
- F. W. LANGDON.—Faunal Changes in Ohio and the vicinity of Cincinnati, 1838–1892. Linnæan Society, Dec. 21st.
 Actions of Birds under Special or Peculiar Conditions. Linnæan Society, Dec. 21st.
- F. S. LEE.—On the Functions of the Internal Ear. Academy of Sciences, Feb. 13th.
 Notes on the Sense of Equilibrium in Birds. Academy of Sciences, May 8th.

ADOLPH LIEBMANN.—Recent Progress in Coal Tar Colors. Chemical Society, March 3d.

SAMUEL LOCKWOOD.—Some Observed Phenomena in Exuviation by the Reptiles. Microscopical Society, May 19th.

MORRIS LOEB.—On Methods of Determining Molecular Weights. Chemical Society, May 5th.

EDWARD G. LOVE.—Photographing Microscopic Objects. Academy of Sciences, Public Lecture Course, May 15th.

SETH LOW.—The Advantages to the City in the Alliance of the Scientific Societies. Scientific Alliance, Joint Meeting, Nov. 15th.

LEA MCL. LUQUER.—Optical Examination of Cacoxenite from Peru. Academy of Sciences, Jan. 23d.

Optical examination of Muscovite from the Kingsbridge Ship Canal. Academy of Sciences, Jan. 23d.

EMORY MCCLINTOCK.—On certain continued products for π . Mathematical Society, February 4th.

JAMES MACLAY.—Geometry of the Maxima and Minima of a certain class of Functions. Mathematical Society, April 1st.

D. S. MARTIN.—The Influence upon Science of the Discovery of the New World. Academy of Sciences, Oct. 10th.

W. D. MATTHEW.—On Phosphate Nodules from the Cambrian of Southern New Brunswick. Academy of Sciences, Feb. 23d.

Description of Specimens of *Triarthrus Beckii*, discovered at Rome, N. Y., by W. S. Valaint, that show Antennæ and Gill appendages. Academy of Sciences, May 22d.

FLORENCE A. MERRIAM.—Habits of the Gray Squirrel and its Susceptibility to Domestication. Linnæan Society, Jan. 18th.

OLIVE THORNE MILLER.—A June Study. Linnæan Society, Feb. 15th.

ERNESTE MILLIAN.—The Methods of testing Fats and Oils. Chemical Society, May 29th.

THOMAS MORONG.—Notes on a Revision of the North American Naiadaceæ. Torrey Botanical Club, Oct. 26th.

Observations on the North American Species of Orchidaceæ and their Nomenclature. Torrey Botanical Club, Oct. 26th.

The North American Species of *Smilax*. Torrey Botanical Club, March 29th.

A. J. MOSES.—An apparently new Sulphate from Arizona. Academy of Sciences, Jan. 23d.

Rare Faces on Pyrite from the Kingsbridge Ship Canal. Academy of Sciences, Jan. 23d.

C. E. MUNROE.—The Propagation of Explosive Phenomena. Chemical Society, April 7th.

J. W. NICHOLSON.—The expression of the n th power of any number in Terms of the n th powers of other numbers, n being any positive Integer. Mathematical Society, Dec. 3d.

HENRY F. OSBORN.—The Cretaceous Mammalia in the American Museum of Natural History. Academy of Sciences, Nov. 14th.

The Rise of the Mammalia. Academy of Sciences, Public Lecture Course, Nov. 21st.

Note on a new Artiodactyl from the Lower Miocene. Academy of Sciences, Dec. 12th.

A new Sub-order of the Ancylopoda. Academy of Sciences, Feb. 13th.

The Evolution of the Teeth and the evidence it presents as to the Phylogeny of the Mammalia. Academy of Sciences, April 10th.

H. G. PIFFARD.—An Improvement in the Correction of Lenses for Photomicrography, Photography, and Photo-astronomics. Microscopical Society, June 2d.

C. A. POST.—A new Driving Clock for Equatorials. Academy of Sciences, March 6th.

M. I. PUPIN.—On the probable Relation between Solar and Terrestrial Activity. Academy of Sciences, Dec. 5th.

On the Kinetic Energy Function in a system for which the principles of Least Action and of Conservation of Energy are both true. Mathematical Society, Nov. 5th.

J. D. QUACKENBOS.—On the Sunapee Saibling, a fourth New England Variety of *Salvelinus*. Academy of Sciences, March 13th.

J. K. REES.—The Life and Work of Lewis Morris Rutherford. Academy of Sciences, Nov. 7th.

Remarks on the recently discovered Satellite of Jupiter and on some recent Observations on Mars. Academy of Sciences, Nov. 7th.

Reports of Observations made on the Comet of 1892 (Holmes) and the Meteor Showers of November. Academy of Sciences, Dec. 5th.

HENRY H. RUSBY.—The Willoughby Lake and Mountain Flora. Torrey Botanical Club, Nov. 30th.

Account of some new Species of Polypetalæ from Bolivia. Torrey Botanical Club, Feb. 14th.

A. H. SABIN.—The History of the Formation of the New York Section. Chemical Society, Oct. 7th.

T. H. SAFFORD.—Instruction in Mathematics as affected by higher algebraic and geometrical developments, and by the Progress of the Physical Sciences. Mathematical Society, April 1st.

The Construction of a Catalogue of Standard Polar Stars. Academy of Sciences, April 3d.

H. SCHWEITZER.—A New Form of Pipette. Chemical Society, May 29th.

GEORGE B. SENNETT.—On a Collection of Birds from Northeastern Mexico. Linnæan Society, Jan. 18th.

R. W. SHUFELDT.—The Chionididæ. A Review of the Opinions on the Systematic Position of the Family. Linnæan Society, Dec. 21st.

JOHN K. SMALL.—Preliminary notes on a Monograph of the American Species of the Genus *Polygonum*. Torrey Botanical Club, Nov. 8th.

Notes on the Flora of the Yadkin River Valley, North Carolina. Torrey Botanical Club, Feb. 22d.

Further Notes on American Species of *Polygonum*. Torrey Botanical Club, April 11th.

(With Anna Murray Vail.) Report on the Exploration of Southern Virginia during the Summer of 1892. Torrey Botanical Club, May 31st

F. P. SMITH.—A New Form of Apparatus for Determining Ammonia. Academy of Sciences, Oct. 31st.

A New Form of Condenser for Water Analysis. Academy of Sciences, Nov. 28th.

C. H. SMYTH, JR.—The Geology of Gouverneur Township, St. Lawrence Co., N. Y. Academy of Sciences, Feb. 23d.

Petrography of the Gneisses of the Town of Gouverneur, N. Y. Academy of Sciences, April 24th.

EFFIE A. SOUTHWORTH.—Notes on *Cladosporium fulvum*. Torrey Botanical Club, March 14th.

- EDWARD R. SQUIBB.—On Absolute Alcohol (Second Paper). Chemical Society, June 2d.
- CHARLES P. STEINMETZ.—On the Flow of an Incompressible Liquid between coaxial cylindrical surfaces. Mathematical Society, June 3d.
- GEO. M. STERNBERG.—Bacteria. Illustrated Lecture, Microscopical Society, May 5th.
- W. LECONTE STEVENS.—Naples and its Surroundings. Academy of Sciences, Public Lecture Course, April 17th.
- O. S. STRONG.—Homologies of Cranial Nerves of Amphibians. Academy of Sciences, Jan. 9th.
- JOHN TATLOCK, JR.—Note on the Position of λ Ursæ Minoris. Academy of Sciences, April 3d.
- CORNELIUS VAN BRUNT.—Botany and Photography. Torrey Botanical Club, April 11th.
- H. T. VULTÉ.—Wool-scouring. Academy of Sciences, Oct. 31st.
- ELWYN WALLER.—On Recent Improvements in Laboratory Methods. Chemical Society, Nov. 4th.
- THEODORE G. WHITE.—Preliminary Notes on the North American Species of *Lathyrus*. Torrey Botanical Club, May 9th.
- H. W. WILEY.—The Determination of Levulose and the Detection of Adulterations in Honey. Chemical Society, May 5th.
- ARTHUR WILLEY.—The Significance of the Pituitary Body and Considerations Concerning the Origin of the Chordata. Academy of Sciences, Nov. 14th.
- ELLA C. WILLIAMS.—An Orthomorphic Transformation of the Ellipsoid. Mathematical Society, Oct. 8th.
- E. B. WILSON.—Artificial Production of Twins and multiple Embryos in *Amphioxus*. Academy of Sciences, Oct. 17th.
On Regeneration and the Mosaic Theory of Development. Academy of Sciences, March 13th.
- J. L. WORTMAN.—On the Mammalian Fauna of the Lower Miocene (White River Formation). Academy of Sciences, Dec. 12th.
The Relationship of the Puerco Beds to the Laramie. Academy of Sciences, Jan. 23d.

DIRECTORY. ---

NOTE: The *italic* letters following the name indicate membership in the societies of the Alliance, *e. g.*—*a* New York Academy of Sciences; *b* Torrey Botanical Club; *c* New York Section of the American Chemical Society; *l* Linnean Society of New York; *m* New York Microscopical Society; *ma* New York Mathematical Society; *mi* New York Mineralogical Club.

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- KIRSCH, LOUIS,—*mi*. 161 Roebling st., Brooklyn, N. Y.
- KNIGHT, GEORGE H.,—*a*. 321 East 10th st.
- KOSMAK, GEO. W.,—*m*. 234 East 49th st.
- KRAEMER, HENRY,—*b*. 18 West 60th st.
- KRAUSE, O. H., Ph.D.,—*c*. State st., Hackensack, N. J.
- KROGER, ALFRED,—*m*. 33 East 17th st.
- KROUT, A. F.,—*b*. 2132 N. 13th st., Phila., Pa.
- KUNZ, GEORGE F.,—*a, m, mi*. . . . 11 Union Square.
- KUTTROFF, ADOLPH,—*c* 98 Liberty st.
- LAMB, OSBORN R.,—*a* 356 West 22d st.
- LAMBORN, R. H., Ph.D.,—*a, b*. . . . 32 Nassau st.
- LANDER, BENJAMIN,—*mi*. Nyack-on-Hudson, N. Y.
- LANE, N. J.,—*c*. Am. Cotton Oil Co., Guttenburg, N. J.
- LANGE, DR. F.,—*l* 130 East 61st st.
- LANGE, J. D.,—*l*. 42 East 63d st.
- LANGMANN, G., M.D.,—*l*. 121 West 57th st.
- LAUDY, LOUIS H., Ph.D.,—*a, c, m*. . . Columbia College.
- LAW, WALTER W.,—*a*. Grolier Club, 29 East 32d st.
- LAWLER, C. J.,—*c*. Morton st. and Kent ave., Brooklyn, N.Y.
- LAWRENCE, GEORGE N.,—*a, l*. . . . 45 East 21st st.
- LAWRENCE, NEWBOLD T.,—*l*. 51 Liberty st.
- LEALE, CHARLES A., M.D.,—*l*. . . . 604 Madison avenue.
- LE BRUN, M. M.,—*b, m*. 245 West 23d st.
- LE BRUN, MRS. MARIA O.,—*b*. . . . 245 West 23d st.
- LECOMTE, JOSEPH,—*a*. 231 Front st.
- LEDERLE, ERNST,—*a*. 42 Bleecker st.
- LEDoux, ALBERT R., Ph.D.,—*a*. . . . 9 Cliff st.

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 LICHTENSTEIN, PAUL,—*a*. 44 Wall st.
 LIGHTHIPE, REV. L. H.,—*b*. Woodbridge, N. J.
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- MANDEL, I. A.,—*c* 17 Lexington avenue.
- MANN, CHARLES R.,—*a, ma* Orange, N. J.
- MARBLE, MISS DELIA W.,—*b* Bedford, N. Y.
- MARBLE, MANTON,—*a* 532 Fifth avenue.
- MARQUAND, HENRY G.,—*a* 11 East 68th st.
- MARSHALL, MISS HARRIET,—*b* 19 West 38th st.
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- MARTIN, EDWARD W.,—*a* 256 West 57th st.
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- MATHER, GEORGE W.,—*mi* 53 Howe st., Passaic, N. J.
- MATHESON, W. J.,—*c* 178 Front st.
- MATTHIESSEN, F. O.,—*c* 106 Wall st.
- MAYNARD, GEORGE W.,—*a* 31 Nassau st.
- MEAD, W. H.,—*a, m* 65 Wall st.
- MEARNS, EDGAR A., M.D.,—*l* Fort Snelling, Minn.
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- MERZ, HENRY,—*c* 55 Maiden Lane.
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- MILHAU, E. J.,—*c* 183 Broadway.
- MILLER, E. B.,—*b* 139 East 40th st.
- MILLER, E. S.,—*b* Floral Park, N. Y.
- MILLER, G. M.,—*c* Montmoor, Rockland Co., N. Y.
- MILLSPAUGH, DR. D. T.,—*b* 89 Hamilton Place, Paterson, N. J.
- MITCHELL, EDWARD,—*a* 31 East 50th st.
- MITCHELL, JOHN MURRAY,—*a* 43 Wall st.
- MOLINEAUX, ROWLAND,—*c* 108 Fulton st.
- MOORE, GIDEON E., Ph.D.,—*a, c* 221 Pearl st.
- MORGAN, MISS MARIA,—*b* 122 East 82d st.
- MORGAN, J. PIERPONT,—*a* 219 Madison avenue.
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OGDEN, HENRY,—*b* 11 Pine st.
ORCUTT, C. B.,—*m* Elizabeth, N. J.
ORTH, A.,—*c* 194 Fulton st.
OSBORN, PROF. HENRY F.,—*a* Columbia College.
OSBORN, WM. C.,—*l* 135 East 36th st.
OTIS, PROF. FESSENDEN N., M.D., LL.D.,—*a* 115 West 55th st.
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PARKER, C. E.,—*c* Seabury & Johnson, E. Orange, N. J.
PARKES, T. J.,—*c* Kalbfleisch Sons, Bergen Point, N. J.
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PARSONS, WILLIAM BARCLAY, JR.,—*a* 51 East 53d st.
PARSONS, SAMUEL B.,—*b* Flushing, N. Y.
PATTEN, JOHN,—*a* Care of Jno. Ryan Co., Baltimore, Md.
PAYNE, FRANK O.,—*b* Chatham, N. J.
PEABODY, HON. CHARLES A.,—*a* 60 West 21st st.
PECK, ROBERT L.,—*c* Care of Ledoux & Co., 9 Cliff st.
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 PHILLIPS, GEO. W.,—*ma* 120 Broadway.
 PHILLIPS, W. D.,—*c* 77 Pine st.
 PICKHARDT, WM.,—*c* 93 Liberty st.
 PIERSON, ISRAEL C., Ph.D.,—*a*, *ma*.. 21 Cortlandt st.
 PIFFARD, H. G.,—*m* 10 West 35th st.
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 PLUMLEY, G. L.,—*ma*. Pulitzer Building.
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 PRAY, JOSEPH M.,—*l*..... 35 Liberty st.
 PRENTICE, CHARLES F.,—*a*.... 178 Broadway.
 PRENTICE, W. P.,—*c*..... 155 Broadway.
 PRIME, F. E.,—*a*..... 26 Broad st.
 PRIME, TEMPLE,—*a*..... 26 Broad st.
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 PYNE, PERCY R.,—*a*..... 52 Wall st.
 QUACKENBOS, PROF. J. D.,—*a*..... Columbia College.
 QUINTARD, C. H.,—*mi* Norwalk, Conn.
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- RIES, HEINRICH,—*a, mi*. 305 East 53d st.
 RIES, MRS. C. A.,—*b*. 305 East 53d st.
 RIGNELL, GEORGE,—*b*. Plainfield, N. J.
 RIKER, C. B.,—*l*. 62 William st.
 RILEY, R. HUDSON,—*a*. Bensonhurst, N. Y.
 RIPLEY, JOHN H., M.D.,—*a*. 605 Lexington avenue.
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 SMITH, MRS. H. L.,—*b.* 263 West 123d st.
 SMITH, JAMES B.,—*l.* 251 West 71st st.
 SMITH, NELSON,—*a.* 151 West 48th st.
 SMITH, S. HANBURY, M.D.,—*a.* . . . 309 Broadway.
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- VAN NORDEN, WARNER,—*l*. 16 West 48th st.
- VAN SLYCK, GEORGE W.,—*a*. 120 Broadway.
- VAN WAGENEN, G. H.,—*b*. Rye, N. Y.
- VAUGHN, MISS VIRGINIA,—*a*. 20 East 43d st.
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- WARREN, MISS LILLIE E.,—*a*. 239 West 21st st.
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THE NEW YORK MINERALOGICAL CLUB,

THE NEW YORK MATHEMATICAL SOCIETY,

THE NEW YORK SECTION OF THE AMERICAN CHEMICAL
SOCIETY, AND

THE NEW YORK ENTOMOLOGICAL SOCIETY.

Published by the Council under the authority of the several Societies

NEW YORK:
PRESS OF L. S. FOSTER,
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THE NEW YORK ACADEMY OF SCIENCES.

Organized as the Lyceum of Natural History, Feb. 24th, 1817; chartered April 20th, 1818; reorganized as the New York Academy of Sciences, Feb. 21st, 1876.

Total Membership 615, divided as follows: Resident Fellows 69; Resident Members 169; Corresponding Members 332; Honorary Members 45.

Meetings are held in Hamilton Hall, Columbia College, on Monday evenings from October to June.

Annual Dues, \$10.00. Initiation Fee, \$5.00.

Annual Meeting, the Fourth Monday in February.

Number of Meetings held May, 1893–May, 1894, 37; average attendance 51.

PUBLICATIONS. Annals of the Lyceum of Natural History, 11 Volumes; Proceedings of the Lyceum of Natural History, 2 Series; Annals of the New York Academy of Sciences, now in the 8th volume; Transactions of the New York Academy of Sciences, now in the 13th volume. In addition to these, a number of Lists of Members and pamphlets on special subjects have been issued.

Officers for 1894–95 are as follows: President, J. K. Rees; First Vice-President, R. P. Whitfield; Second Vice-President, Henry F. Osborn; Recording Secretary, Jas. F. Kemp; Corresponding Secretary, Thos. L. Casey; Treasurer, Chas. F. Cox; Librarian, Arthur Hollick.

COUNCIL: O. P. Hubbard, Harold Jacoby, R. S. Woodward, J. A. Allen, H. Carrington Bolton, N. L. Britton.

CURATORS: Bashford Dean, George F. Kunz, Heinrich Ries, John Tatlock, Jr., W. D. Schoonmaker.

PUBLICATION COMMITTEE: Thos. L. Casey, J. A. Allen, N. L. Britton, Harold Jacoby, H. F. Osborn.

FINANCE COMMITTEE: Henry Dudley, John H. Hinton, Seth Low.

SECTIONS are established in Astronomy and Physics, Biology, and Geology and Mineralogy.

The Library consists of about 10,000 volumes and bound pamphlets, deposited in the Library Building of Columbia College.

The Academy has no scientific collections.

PAST PRESIDENTS: Samuel L. Mitchell, 1817–1823; John Torrey, 1824–1826 and 1838; Joseph Delafield, 1827–1837; 1839–1865; Charles A. Joy, 1866–1867; John S. Newberry, 1868–1892; O. P. Hubbard, 1892–1893; H. Carrington Bolton, 1893–1894.

THE TORREY BOTANICAL CLUB.

Incorporated, April 21st, 1871. Total Membership 320, divided as follows: Active 169; Corresponding 147; Honorary 4.

Meetings are held at Columbia College on the Second Tuesday evening and last Wednesday evening of each month from October to June.

Field Meetings are held every Saturday from April to November.

Annual Meeting, the Second Tuesday in January.

Number of Meetings held May, 1893–May, 1894, 15; average attendance 23.

Annual Dues, \$4.00. No Initiation Fee required.

Publishes "Bulletin," now in the 21st volume, and "Memoirs," now in the 4th and 5th volumes.

Officers for 1894 are as follows: President, Addison Brown; Vice-Presidents, T. F. Allen, Thos. Morong; Recording Secretary, Henry H. Rusby; Corresponding Secretary, John K. Small; Treasurer, Henry Ogden; Curator, Josephine E. Rogers; Librarian, Effie A. Southworth; Editor, N. L. Britton; Associate Editors, Emily L. Gregory, Anna Murray Vail, Arthur Hollick, Byron D. Halsted, A. A. Heller.

FINANCE COMMITTEE: Wm. E. Wheelock, J. I. Kane.

COMMITTEE ON ADMISSIONS: Cornelius Van Brunt, Jeannette B. Greene.

COMMITTEES ON THE LOCAL FLORA: Phanerogamia: Thos. G. Porter, N. L. Britton, Henry H. Rusby. Cryptogamia: Elizabeth G. Britton, Maria O. Le Brun, S. Ely Jelliffe.

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COMMITTEE ON INSTRUCTION: H. H. Rusby, T. H. Kearney, Jr., Emily L. Gregory, Wm. E. Wheelock, Elizabeth G. Britton, Henry Kraemer Arthur Hollick.

Scientific Collections consist of an Herbarium of several thousand specimens, illustrating the Flora within 100 miles of New York. The Library is incorporated with the Botanical Library of Columbia College.

PAST PRESIDENTS: John Torrey, 1871–1873; Geo. Thurber, 1873–1880; John S. Newberry, 1880–1890; Addison Brown, 1891–1893.

THE NEW YORK MICROSCOPICAL SOCIETY.

Incorporated, 1877. Total Membership 103, divided as follows : Active 75 ; Corresponding 21 ; Honorary 7.

Meetings are held on the First and Third Friday evenings of each month, from October to June, at the Mott Memorial Library, 64 Madison Avenue.

Annual Meeting, the First Friday in January.

Number of Meetings held May, 1893–May, 1894, 18 ; average attendance 25.

Annual Dues, \$5.00. Initiation Fee, \$5.00.

Publishes "Journal of the New York Microscopical Society," now in its 10th volume.

Officers for 1894 are as follows : President, Charles S. Shultz ; Vice-President, Edw. G. Love ; Recording Secretary, Geo. E. Ashby ; Corresponding Secretary, J. L. Zabriskie ; Treasurer, James Walker ; Librarian, Ludwig Riederer ; Curator, Geo. E. Ashby.

COMMITTEE ON ADMISSIONS : Horace W. Calef, Anthony Woodward, M. M. Le Brun, H. G. Piffard, W. J. Lloyd.

COMMITTEE ON PUBLICATIONS : J. L. Zabriskie, Wm. G. De Witt, Walter H. Mead, John L. Wall, Chas. F. Cox.

The Library contains about 2,000 volumes and is deposited at the place of meeting.

The Cabinet contains about 5,000 specimens.

THE LINNÆAN SOCIETY OF NEW YORK.

Organized, March 7th, 1878. Not incorporated. Total membership 167, divided as follows: Resident 128; Corresponding 36; Honorary 3.

Meetings are held at the American Museum of Natural History on the Second and Fourth Tuesday evenings of each month.

Annual Meeting, the First Tuesday in March.

Number of Meetings held May, 1893–May, 1894, 15; average attendance, 17.

Annual Dues, \$3.00. Initiation Fee, \$2.00.

Publishes "Transactions," two volumes issued, and "Abstract of Proceedings," six numbers issued.

Officers for 1894–1895 are as follows: President, J. A. Allen; Vice-President, Frank M. Chapman; Secretary, W. W. Granger; Treasurer, L. S. Foster.

PUBLICATION COMMITTEE: J. A. Allen, L. S. Foster, W. W. Granger.

FINANCE COMMITTEE: L. S. Foster, B. H. Dutcher, W. W. Granger.

COMMITTEE ON NOMINATIONS TO MEMBERSHIP: J. A. Allen, Frank M. Chapman, L. S. Foster, W. W. Granger.

COMMITTEE ON PAPERS: J. A. Allen, Frank M. Chapman, B. H. Dutcher, L. S. Foster, W. W. Granger, Arthur H. Howell.

COMMITTEE ON THE LOCAL FAUNA: L. S. Foster, L. B. Bishop, Wm. C. Braislin, Frank M. Chapman, Jonathan Dwight, Jr., W. W. Granger, A. H. Howell, H. C. Oberholser, Wm. C. Rives, L. B. Woodruff.

COMMITTEE ON PUBLIC LECTURES: J. A. Allen, Frank M. Chapman, L. S. Foster.

The Library consists mainly of exchanges derived from publications.

PAST PRESIDENTS: C. Hart Merriam, 1878–1879; Eugene P. Bicknell, 1879–1887; Geo. B. Sennett, 1887–1889; J. A. Allen, 1889–1894.

THE NEW YORK MINERALOGICAL CLUB.

Organized, 1887. Not incorporated. Total Membership 64, not classified.

Meetings are held monthly, but no definite dates are appointed, from October to May. Field Excursions are held during the summer months.

Annual Meeting in April.

Number of Meetings held May, 1893–May, 1894, 8; average attendance, 10.

The Club holds some of its meetings jointly with the Mineralogical Section of the N. Y. Academy of Sciences.

Annual Dues, \$1.00. No Initiation Fee required.

Officers for 1894–1895: President, elected for each meeting; Secretary, Daniel S. Martin; Treasurer, J. W. Freckelton.

EXECUTIVE COMMITTEE: Albert H. Chester, Geo. F. Kunz, Ern. Schernikow.

NOMINATING COMMITTEE: H. D. M. Fair, Frederick Kato.

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CURATORS: R. P. Whitfield, W. D. Schoonmaker, W. Goold Levison.

The Club owns the B. B. Chamberlin collection of New York Island Minerals, deposited, with other strictly local specimens, in the American Museum of Natural History. Its object is particularly the study of the minerals of Manhattan Island and the vicinity, and the collection and preservation of data and material in relation thereto.

THE NEW YORK MATHEMATICAL SOCIETY.

Organized, November 24th, 1888. Not incorporated. Total Membership 240, not classified. Local Members, included in this Directory, 40.

Meetings are held at 3.30 P. M., on the First Saturday of each month from October to June inclusive, at Columbia College.

Annual Meeting, during the week between Christmas and New Year's Day.

Annual Dues, \$5.00. No Initiation Fee required.

The "Bulletin of the New York Mathematical Society" is a historical and critical review of mathematical science, appearing ten times a year. It contains the proceedings of the Society. Publication begun in October, 1891.

Officers for 1894 are as follows: President, Emory McClintock; Vice-President, G. W. Hill; Secretary, Thomas S. Fiske; Treasurer, Harold Jacoby; Librarian, Gustave Legras.

COUNCIL: Henry B. Fine, Thomas S. Fiske, G. W. Hill, Harold Jacoby, Gustave Legras, Emory McClintock, E. H. Moore, Simon Newcomb, C. A. Scott, R. S. Woodward, Alexander Ziwet.

PAST PRESIDENT: J. H. Van Amringe, 1888-1890.

NEW YORK SECTION OF THE AMERICAN CHEMICAL SOCIETY.

Organized under Charter of the parent Society, April 29th, 1892.
Total Membership 171, divided as follows: Active 153; Associate 18.

Meetings are held on the Second Friday of October, November, December, January, February, March, April, May, and June.

Annual Meeting, the Second Friday in October.

Annual Dues for American Chemical Society, \$5.00. Initiation Fee, \$5.00. No additional dues have been established for the Local Section.

Publishes "Proceedings," in the Journal of the American Chemical Society, now in its 17th volume.

Officers for the current year are: Chairman, P. T. Austen; Secretary and Treasurer, Morris Loeb. These, together with A. A. Breneman, Wm. McMurtrie and Albert C. Hale, constitute the Executive Committee.

The Library of the American Chemical Society is deposited with this Section.

THE NEW YORK ENTOMOLOGICAL SOCIETY.

Organized June 29, 1892. Incorporated June 7, 1893. Total Membership 125, divided as follows : active, 55 ; corresponding, 70.

Meetings are held at the American Museum of Natural History on the First and Third Tuesday evenings of each month (except July and August). Annual dues, \$3.00 for active membership ; \$2.00 for associate membership.

Publishes "Journal of the New York Entomological Society," now in its second volume.

Officers for 1894: President, Wm. Beutenmuller; Vice-President, Charles Palm ; Recording Secretary, L. H. Joutel ; Corresponding Secretary, George D. Bradford ; Treasurer, C. F. Groth.

EXECUTIVE COMMITTEE : Ottomar Dietz, G. W. J. Angell, Gustav Beyer, R. Ottolengui, C. Schaeffer.

PUBLICATION COMMITTEE : Charles Tunison, Charles Palm, L. H. Joutel, E. Daecke, Wm. Beutenmuller.

FIELD COMMITTEE : L. T. Münch, Franz Rabe.

PAST PRESIDENTS : Charles Palm, 1892 ; G. W. J. Angell, 1893.

REPORT OF THE SECRETARY

For the Year May, 1893-May, 1894.

The Third Annual Directory was distributed in August, 1893.

The Bulletins have been regularly issued about the first of each month, and have announced nearly all the papers which have been read before the Societies.

The Council has held five meetings, a quorum being present at each meeting.

The Committee on the Newberry Research Fund has sent out two circulars to a list of some 2,500 persons, inviting subscriptions. The total amount subscribed in answer to these appeals, and from other sources, now aggregates \$1,415. In view of the widespread financial depression the Committee is encouraged by this result, but deems it inexpedient to prosecute the matter further until favorable conditions obtain.

The Building Committee has still under consideration the plans alluded to in the last annual report of the Secretary, but has not been able as yet to bring any definite proposition before the Council.

During the year the New York Entomological Society has been admitted as a member of the Alliance. The total membership of the allied societies is now nearly twice as large as at the time of organization in 1891.

PAPERS PRESENTED BEFORE THE SOCIETIES,

OCTOBER, 1893, TO JUNE, 1894.

J. A. ALLEN.—The Migration of Birds. Linnæan Society, Oct. 8th.

Protective Coloring and Sexual Selection in Birds. Academy of Sciences, Nov. 20th.

Recent Progress in the study of North American Mammalogy, with Notes on new Mammals from New Brunswick. Linnæan Society, Feb. 27th.

(1) The First or Nestling Plumage of various Species of North American Birds. (2) Seasonal Changes of Color in the Varying Hare. Linnæan Society, March 27th.

T. F. ALLEN.—New Species of Characeæ. Torrey Botanical Club, April 25th.

WM. BEUTENMULLER.—On Vegetable Excrescences caused by Insects. Entomological Society, May 15th.

LOUIS B. BISHOP.—Remarks on the Breeding of Brewster's Warbler. Linnæan Society, Dec. 12th.

E. M. BLAKE.—Lie's Theory of Transformation Groups. Mathematical Society, Jan. 6th.

H. CARRINGTON BOLTON.—An International Index to Chemical Literature. Academy of Sciences, Oct. 2d.

WILLIAM C. BRAISLIN.—Birds observed in Prospect Park, Brooklyn, N. Y., during the winter of 1893-4. Linnæan Society, April 24th.

A. A. BRENEMAN.—Valve allowing passage of Gases, but not of Liquids. Chemical Society, Dec. 8th.

ELIZABETH G. BRITTON.—The North American Species of the Genus *Physcomitrium*. Torrey Botanical Club, Oct. 25th.

The Species of *Orthotrichum* of Western North America. Torrey Botanical Club, March 28th.

Revision of the Genus *Bruchia*. Torrey Botanical Club, May 30th.

N. L. BRITTON.—On the Genus *Amelanchier* Medic. Torrey Botanical Club, Nov. 29th.

The Conception of a Species, as modified by the Theory of Evolution. Academy of Sciences, Feb. 12th.

The Morphology and Classification of the Cyperaceæ. Torrey Botanical Club, April 10th.

Notes on some critical Species of *Cratægus*. Academy of Sciences, May 14th.

Memorial of Thomas Morong. Torrey Botanical Club, May 30th.

GARY N. CALKINS.—On the History of the Archoplasm in the Spermatogenesis and Fertilization of *Lumbricus*. Academy of Sciences, Feb. 12th.

T. L. CASEY, Coleopterological Notices—V. Academy of Sciences, Oct. 2d.

FRANK M. CHAPMAN.—The Origin of certain North American Birds, as determined by their Routes of Migration. Linnæan Society, Oct. 18th.

The Islands built by Alligators. Linnæan Society, Nov. 14th.

The Mammals of the West Indies. Linnæan Society, Dec. 12th.

An Analysis of the Bird-life of the Vicinity of New York City. Linnæan Society, Dec. 26th.

A Naturalist in Trinidad. (Public Lecture.) Linnæan Society, Jan. 9th.

Notes on a second Visit to the Island of Trinidad. Linnæan Society, May 22d.

A. H. CHESTER.—Mineralogical Notes. Academy of Sciences, Feb. 19th.

(1) An altered Biotite from Franklin Furnace, N. J. (2) Quartz Crystals from Ellenville, N. Y. Academy of Sciences, April 16th.

C. F. COX.—Additional Notes on recently discovered Deposits of Diatomaceous Earth in the Adirondacks. Academy of Sciences, Nov. 20th.

THOMAS CRAIG.—Note on Monogenic Functions of a Single Variable. Mathematical Society, Oct. 7th.

H. E. CRAMPTON.—Reversal of Cleavage in a Sinistral Gasteropod. Academy of Sciences, Feb. 12th.

K. M. CUNNINGHAM.—Notes on some Researches among the Diatoms. Microscopical Society, Nov. 17th.

CARLTON C. CURTIS.—Observations on the early Stages of the Formation of the Lichen Thallus. Torrey Botanical Club, Feb. 13th.

The Development of the Lichen Thallus. Microscopical Society, March 16th.

HERMAN S. DAVIS.—Note on Bessel's Determination of the relative Parallaxes of μ and θ Cassiopeiæ. Academy of Sciences, Nov. 13th.

BASHFORD DEAN.—On the Fin Structure of *Diplurus*. Academy of Sciences, Oct. 30th.

Recent Experiments in Sturgeon Hatching on the Delaware. Academy of Sciences, Nov. 5th.

The Fossil Fishes of the Museum of Frankfort, Ky. Academy of Sciences, Dec. 4th.

On a new Cladodont Shark from Linton, Ohio. Academy of Sciences, Dec. 11th.

Oyster Culture in Europe. (Public Lecture.) Linnæan Society, Feb. 13th.

A new Arthrodiran (lung fish) from the Cleveland Shales. Academy of Sciences, April 9th.

BERTHA M. DOW.—Notes on the Pulvinus or Organ of the so-called Sleep-movements of Plants. Torrey Botanical Club, May 8th.

FLETCHER DURELL.—Application of the New Education to the Differential and Integral Calculus. Mathematical Society, Nov. 4th.

B. H. DUTCHER.—Remarks on the Fauna of Montauk Point, Long Island. Linnæan Society, Dec. 26th.

A. S. EAKLE.—Allanite Crystals from the Trotter Mine, Franklin Furnace, N. J. Academy of Sciences, Nov. 27th.

Tourmaline Crystals from Rudeville, near Hamburg, N. Y. Academy of Sciences, April 16th.

W. H. ECHOLS.—Note on the Theory of Functions. Mathematical Society, Oct. 7th.

CARL H. EIGENMANN.—Notes on some South American Fishes. Academy of Sciences, Dec. 11th.

CARL H. EIGENMANN and WM. L. BRAY.—A Revision of the North Cichlidae. Academy of Sciences, Dec. 11th.

D. G. ELLIOT.—The Life and Services of John James Audubon. Academy of Sciences, Nov. 15th.

Domestic Fowls and Pigeons. (Public Lecture.) Linnæan Society, April 3d.

WM. FERGUSON.—Apparatus for simultaneous Distillations with Steam. Chemical Society, Dec. 8th.

On basic Aluminum Sulphates. Chemical Society, Jan. 12th.

HENRY B. FINE.—On the Continuity of the Number System. Mathematical Society, Feb. 3d.

- T. S. FISKE.—On several Demonstrations of Weierstrass's Addition Theorem. Mathematical Society, Feb. 3d.
- L. S. FOSTER.—A Consideration of Some Ornithological Literature, with extracts from current criticism. I. 1876 to 1883. II. 1884 to 1893. Linnæan Society, Oct. 4th and Nov. 28th.
- PAUL GIBIER.—Glycosuria produced experimentally in Animals by Psychological Causes. Academy of Sciences, April 9th.
- THOMAS S. GLADDING.—Estimation of Sulphur in Pyrites. Chemical Society, March 13th.
- ARNOLD GRAAF.—The Funnels and Vesiculæ Terminales of *Nephelis*, *Aulostoma* and *Clepsine*. Academy of Sciences, May 14th.
- EMIL GREINER.—Automatic Pipette. Chemical Society, March 13th.
- WM. W. GROSVENOR, JR.—Solvents for Perchromic Acid. Chemical Society, March 13th.
- WILLIAM HALLOCK.—Some Observations on Deep-well Temperatures, made during the Summer of 1893 at Wheeling, W. Va. Academy of Sciences, Oct. 9th.
- The Theory of Geysers. Academy of Sciences, Dec. 13th.
- A Method for defining Standard Colors. Academy of Sciences, March 26th.
- A new Method of constructing very fine Bolometers. Academy of Sciences, April 2d.
- The Photography of the Manometric Flame in the Analysis of Articulate Sounds. Academy of Sciences, May 7th.
- BYRON D. HALSTED.—Solandi Printing and its Applications to Botany. Torrey Botanical Club, Nov. 14th.
- STEPHEN HELM.—Marine Life. Microscopical Society, April 6th.
- G. W. HILL.—The Application of Analysis to Polyhedra. Mathematical Society, Dec. 2d.
- N. D. C. HODGES.—A new Method for protecting Buildings from Lightning. Academy of Sciences, April 2d.
- ARTHUR HOLLICK.—Geological and Botanical Observations on Martha's Vineyard. Academy of Sciences, Oct. 23d.
- Additions to the Palæobotany of the Cretaceous Formation on Long and Staten Islands. Academy of Sciences, Jan. 22d.
- Descriptions of two new Fossil Plants from the Cretaceous and Tertiary of the West. Torrey Botanical Club, Feb. 13th.

A new Fossil *Nelumbo* from the Laramie Group of Colorado
Torrey Botanical Club, May 8th.

E. O. HOVEY.—The Petrography of the Boulders at Thetford, Vt. Academy of Sciences, March 19th.

ARTHUR H. HOWELL.—Birds in our Great Cities. Linnæan Society, Nov. 28th.

O. P. HUBBARD.—Notice of an Ancient Beaver Pond at Plainfield, N. H. Academy of Sciences, Dec. 11th.

On the Discovery of the Basaltic Boulders containing large nodules of Olivine, at Thetford, Vt. Academy of Sciences, March 19th.

GEO. S. HUNTINGTON.—The Gross Anatomy of the Kidney of *Elephas Indicus*. Academy of Sciences, Dec. 11th.

The Morphology and Significance of the Variations of the Biceps flexor cubiti. Academy of Sciences, Feb. 12th.

HAROLD JACOBY.—Some recent papers on the Reduction of Astronomical Photographs. Academy of Sciences, Dec. 18th.

The Periodic Variation in the motion of 61 Cygni. Academy of Sciences, March 26th.

S. ELY JELLIFFE.—The Early Botanists. Torrey Botanical Club, March 28th.

W. WOOLSEY JOHNSON.—Gravitation and Absolute Units of Force, Mathematical Society, April 7th.

ALEXIS A. JULIEN.—The Preparation of Stained Mounts of *Spirochaete*, *Spirilla*, and *Amæbae* without Deformation. Microscopical Society, Nov. 3d.

New Forms of Fungi in the Silicified Wood of Arizona and Texas. Academy of Sciences, April 23d.

A Silicified Form of a new Species of Fungus in Wood, from the Petrified Forest, near Cairo, Egypt. Microscopical Society, Feb. 2d.

T. H. KEARNEY, JR.—Report on the Botanical Exploration of South-Eastern Kentucky during 1893. Torrey Botanical Club, Dec. 12th.

Some new or little-known Plants of the Southern States. Torrey Botanical Club, Feb. 13th.

J. F. KEMP.—The Ore-bodies at Franklin Furnace and Ogdensburg, N. J. Academy of Sciences, Oct. 30th.

(a) An Orbicular Granite from Rhode Island. (b) Additional

Note on Leucite rocks in New Jersey. Academy of Sciences, Feb. 19th.

On some Camptonite Dikes in the town of Queechee, Vt., near Thetford. Academy of Sciences, March 19th.

Notes of a Trip to the Iron Mines at Cornwall, Pa., and the Nickel Mine at Lancaster Gap, Pa. Academy of Sciences, April 30th.

W. H. KENT.—System of Arrangement for Bottles in the Laboratory. Chemical Society, Dec. 8th.

FELIX KLEIN.—Investigation in the so-called Elementary Branches of Mathematics. Mathematical Society, Sept. 30th.

GEORGE W. KOSMAK.—The Comparative Anatomy of the Vertebrate Skin. Microscopical Society, Jan. 19th.

HENRY KRAEMER.—Botany at the World's Columbian Exposition. Torrey Botanical Club, March 13th.

GEO. F. KUNZ.—Mineralogical Notes. Academy of Sciences, Feb. 19th.

F. S. LEE.—The Scope of Modern Physiology. Academy of Sciences, Nov. 20th.

W. G. LEVISON.—(a) On the advantages of standard or "society" sizes for the drawers, trays, and boxes of cabinets for minerals and microscopical specimens. (b) On a portable mineral cabinet. (c) On trays for cabinets moulded or stamped from aluminum, celluloid, papier-mache or wood pulp. Academy of Sciences, Feb. 19th.

M. LOEB.—Apparatus for the Study of Diffusion. Chemical Society, Dec. 8th.

Report on Recent Progress in Inorganic Chemistry. Chemical Society, May 11th.

LEVERETT M. LOOMIS.—A Study of the earlier southward Migrations at Monterey Bay, California, during June, July and August, 1892. Linnæan Society, October 4th.

Variability in the Occurrence of Transient Migrants. Linnæan Society, Nov. 14th.

(1) On the Causes that necessitate Bird Migration. (2) On the Views held concerning the Migration of young Birds of the year. Linnæan Society, Jan 23d.

EDWARD G. LOVE.—Notes on the Staining of Cellulose with particular Reference to Textile Fibres. Microscopical Society, April 20th.

- L. MC I. LUQUER.—Preliminary Notice of Sodalite from three new Localities. Academy of Sciences, Feb. 19th.
- W. D. MATTHEW.—The Intrusive Rocks near St. John, N. B. Academy of Sciences, April 16th.
- MARION MCEWEN.—The Comparative Anatomy of *Corema Conradii* and *Corema alba*. Torrey Botanical Club, Jan. 31st.
- OLIVE THORNE MILLER —A Rocky Mountain Study. Linnæan Society, Dec. 26th.
- A. J. MOSES.—Mineralogical Notes. Academy of Sciences, April 16th.
- H. A. MOTT.—Matter, Force, and Energy. Chemical Society, March 13th.
- SIMON NEWCOMB.—Modern Mathematical Thought. Mathematical Society, Dec. 28th (Annual Meeting).
- H. F. OSBORN.—Restorations of the lower Miocene Mammals. Academy of Sciences, Dec. 4th.
A Division of the Eutherian Mammals into the Mesoplacentalia and Cenoplacentalia. Academy of Sciences, April 9th.
- C. S. PEIRCE.—The Arithmetic of Rollandus (1424). Mathematical Society, April 7th.
- C. L. POLLARD.—The Genus *Cassia* in North America. Torrey Botanical Club, April 25th.
- THOS. C. PORTER.—The Geographical Distribution of the Plants of Pennsylvania. Torrey Botanical Club, Nov. 29th.
- J. M. PRAY.—Individual Variation in Birds, with Reference to its bearing on their Psychological Development. Linnæan Society, May 8th.
- M. I. PUPIN.—On Electrical Oscillations of Low Frequency and their Resonance: Part 1.—On the Production of simple Harmonic Currents of Constant Frequency. Academy of Sciences, Oct. 9th.
Electrical Resonance, illustrated with Experiments. Academy of Sciences, Jan. 15th.
- J. K. REES.—(a) Note on the brilliant Aurora of February 23, 1894.
(b) Solar Faculæ shown in Rutherford's Photographs of 1870-1871. Academy of Sciences, April 2d.
(1) Solar Faculæ shown in Rutherford's Photographs of 1870-1871. (2) Photography applied to Star Transits for Time, and for the Determination of Differences of Zenith Distances of Stars for Latitude. Academy of Sciences, May 7th.

- P. DE P. RICKETTS.—Observations on an Auriferous Deposit in Buckingham Co., Va. Academy of Sciences, Jan. 22d.
- HEINRICH RIES.—A Pleistocene Lake-bed at Elizabethtown, Essex Co., N. Y., with lantern views. Academy of Sciences, Nov. 27th.
Preliminary Notes on the Pyroxenes of New York State. Academy of Sciences, Feb. 19th.
Microscopic Organisms in the Clays of New York State. Academy of Sciences, March 19th.
(a) Notes on Artificial Crystals of Oxide of Zinc. (b) Additional Notes on the Pyroxenes of New York State. Academy of Sciences, May 21st.
- C. B. RIKER.—Experiences during Collecting Trips on the Amazon River. Linnæan Society, Jan. 23d.
- HENRY H. RUSBY.—On new Genera and Species of Gamopetalæ from Bolivia. Torrey Botanical Club, Oct. 25th.
New Species of Gamopetalæ from Bolivia. Torrey Botanical Club, Feb. 28th.
- A. H. SABIN.—Varnish Gums and Gum and Oil Varnishes. Chemical Society, Oct. 6th.
- MONTGOMERY SCHUYLER.—Protective Resemblance of Insects. Entomological Society, May 1st.
- I. J. SCHWATT.—Application of Brocard's Theories to Conic Sections. Mathematical Society, March 3d.
- H. SCHWEITZER.—Muffle for Incineration of Sugar. Chemical Society, Dec. 8th.
The Commercial Analysis of Lard. Chemical Society, Feb. 9th.
- E. D. SELF.—The Waterfall of Bassaseachic, Chihuahua, Mexico. Academy of Sciences, Feb. 19th.
Prehistoric Ruins in the State of Oaxaca, Mexico. Academy of Sciences, April 16th.
Notes of a Trip in the State of Oaxaca, Mexico. Academy of Sciences, April 30th.
- S. P. SHARPLESS.—Oils from the World's Fair. Chemical Society, April 12th.
- CHAS. S. SHULTZ.—Annual address by the President: A Microscopical and Chemical Examination of the Admixtures and Adulterations in Papers used for Writing and Engraving. Microscopical Society, Jan. 5th.

- JOHN K. SMALL.—Notes on the Altitudinal Distribution of the Ferns of Eastern North America. Torrey Botanical Club, Nov. 14th.
The Floral Morphology of *Brunnichia*. Torrey Botanical Club, Feb. 13th.
Some new or interesting Species of *Polygonum*. Torrey Botanical Club, April 25th.
- C. H. SMYTH, JR.—Diabase Dikes of the Thousand Islands, St. Lawrence River. Academy of Sciences, May 21st.
- EFFIE A. SOUTHWORTH.—A Review of the Nitrogen Question. Torrey Botanical Club, Dec. 12th.
- C. L. SPEYERS.—Ostwald's Theory of Energy. Chemical Society, Nov. 3d.
Report on Recent Progress in Physical Chemistry. Chemical Society, May 11th.
- E. R. SQUIBB.—Burette with Automatic Zero Attachment. Chemical Society, Dec. 8th.
- J. H. STEBBINS, JR.—The Determination of Potassium Iodide and of Sodium Acetate in complex organic mixtures. Chemical Society, Jan. 12th.
- J. S. STILLWELL.—Blowpipe with Nitrous Oxid Blast. Chemical Society, Dec. 8th.
Some Points of Interest in the Manufacture of Nitrous Oxid and Oxygen Gases. Chemical Society, Feb. 9th.
- O. S. STRONG.—An Improvement of the Golgi Staining Method. Exhibition of Sections. Academy of Sciences, Dec. 4th.
Nerve-cell structures, as demonstrated by Golgi Methods. Academy of Sciences, April 9th.
On Lithium Bichromate as a hardening Reagent for the Golgi Method. Academy of Sciences, May 14th.
- H. C. TUTTLE.—Sample-drawing Device for Viscous Liquids. Chemical Society, Dec. 8th.
- W. S. VALIANT.—The Stratigraphical Relations of the Bed which yields *Triarthrus Beckii* with Appendages. Academy of Sciences, Nov. 27th.
- G. VAN INGEN.—Notes on the Trenton Limestone in the Lake Champlain Valley. Academy of Sciences, Dec. 11th.
Notes on the Geology of Ulster Co., N. Y. Academy of Sciences, March 19th.

C. W. VOLNEY.—Fractional Distillation Apparatus. Chemical Society, Dec. 8th.

THEODORE G. WHITE.—The Wild Peas of North America. Torrey Botanical Club, April 10th.

The Geology of Essex and Willsborough Townships on Lake Champlain. Academy of Sciences, May 21st.

E. B. WILSON.—Experiments upon the horizontal Isotropy of the Egg. Academy of Sciences, May 14th.

R. S. WOODWARD.—The Iced-bar and the Long-tape Base Apparatus of the U. S. Coast and Geodetic Survey. Academy of Sciences, Oct. 9th.

Periodic Errors of Graduated Circles. Academy of Sciences, May 7th.

J. L. WORTMAN.—The Skeleton of *Patriofelis*, a hitherto unknown Eocene carnivore. Academy of Sciences, Jan. 29th.

Mammals of the Ancient Lake Basins of North America. (Public Lecture.) Linnæan Society, March 6th.

Some Points on the Probable Origin of the Seals. Linnæan Society, April 10th.

J. L. ZABRISKIE.—Ichneumon Parasites on Paper Wasps (*Vespa*). Entomological Society, April 3d.

DIRECTORY.

NOTE: The *italic* letters following the name indicate membership in the societies of the Alliance, *e. g.*—*a* New York Academy of Sciences; *b* Torrey Botanical Club; *c* New York Section of the American Chemical Society; *e* New York Entomological Society; *l* Linnæan Society of New York; *m* New York Microscopical Society; *ma* New York Mathematical Society; *mi* New York Mineralogical Club.

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COMMITTEE ON INSTRUCTION: H. H. Rusby, Emily L. Gregory, Elizabeth G. Britton, Arthur Hollick, Smith Ely Jelliffe.

FIELD COMMITTEE: N. L. Britton, L. G. Fay, J. H. Stotler.

Scientific Collections consist of an Herbarium of several thousand specimens, illustrating the Flora within 100 miles of New York, deposited at the New York College of Pharmacy. The Library is incorporated with the Botanical Library of Columbia College.

PAST PRESIDENTS: John Torrey, 1871–1873; Geo. Thurber, 1873–1880; John S. Newberry, 1880–1890; Addison Brown, 1890–1895.

THE NEW YORK MICROSCOPICAL SOCIETY.

Incorporated, 1877. Total Membership 117, divided as follows : Active 89; Corresponding 21; Honorary 7.

Meetings are held on the first and third Friday evenings of each month, from October to June, at the Mott Memorial Library, 64 Madison Avenue.

Annual Meeting, the first Friday in January.

Number of Meetings held May, 1895–May, 1896, 16; average attendance, 27.

Annual Dues, \$5.00. Initiation Fee, \$5.00.

Publishes "Journal of the New York Microscopical Society," now in its 11th volume.

Officers for 1896 are as follows : President, E. G. Love; Vice-President, Frank D. Skeel; Recording Secretary, Geo. E. Ashby; Corresponding Secretary, J. L. Zabriskie; Treasurer, James Walker; Librarian, Ludwig Riederer; Curator, Geo. E. Ashby.

COMMITTEE ON ADMISSIONS : Henry C. Bennett, George H. Blake, Thomas S. Nedham, Fred'k Kato, W. J. Lloyd.

COMMITTEE ON PUBLICATIONS : J. L. Zabriskie, Frank D. Skeel, H. A. Parmentier, George W. Kosmak, Edward G. Love.

The Library contains about 2,000 volumes and is deposited at the place of meeting.

The Cabinet contains about 5,000 specimens.

THE LINNÆAN SOCIETY OF NEW YORK.

Organized, March 7th, 1878. Not incorporated. Total membership 187, divided as follows : Resident 147 ; Corresponding 38 ; Honorary 2.

Meetings are held at the American Museum of Natural History on the second and fourth Tuesday evenings of each month.

Annual Meeting, the first Meeting in March.

Number of Meetings held May, 1895–May, 1896, 12 ; average attendance, 15.

Annual Dues, \$3.00. Initiation Fee, \$2.00.

Publishes "Transactions," two volumes issued, and "Abstract of Proceedings," eight numbers issued.

Officers for 1896–1897 are as follows : President, J. A. Allen ; Vice-President, Frank M. Chapman ; Secretary, W. W. Granger ; Treasurer, L. S. Foster.

PUBLICATION COMMITTEE : J. A. Allen, L. S. Foster, W. W. Granger.

FINANCE COMMITTEE : L. S. Foster, William Dutcher, W. W. Granger.

COMMITTEE ON NOMINATIONS TO MEMBERSHIP : J. A. Allen, Frank M. Chapman, L. S. Foster, W. W. Granger.

COMMITTEE ON PAPERS : J. A. Allen, Frank M. Chapman, R. L. Ditmars, L. S. Foster, W. W. Granger, Arthur H. Howell.

COMMITTEE ON THE LOCAL FAUNA : L. S. Foster, J. A. Allen, L. B. Bishop, Wm. C. Braislin, Frank M. Chapman, S. H. Chubb, R. L. Ditmars, Jonathan Dwight, Jr., W. W. Granger, A. H. Howell, Frank E. Johnson, C. B. Riker, Wm. C. Rives, E. E. Thompson, L. B. Woodruff.

COMMITTEE ON PUBLIC LECTURES : J. A. Allen, Frank M. Chapman, L. S. Foster.

The Library consists mainly of exchanges derived from publications.

PAST PRESIDENTS : C. Hart Merriam, 1878–1879 ; Eugene P. Bicknell, 1879–1887 ; Geo. B. Sennett, 1887–1889 ; J. A. Allen, 1889–1896.

THE NEW YORK MINERALOGICAL CLUB.

Organized, 1887. Not incorporated. Total Membership 70, not classified.

Meetings are held monthly, but no definite dates are appointed, from October to May. Field excursions are held during the summer months.

Annual Meeting in April.

Number of Meetings held May, 1895–May, 1896, 8; average attendance, 10.

The Club holds some of its meetings jointly with the Mineralogical Section of the N. Y. Academy of Sciences.

Annual Dues, \$1.00. No Initiation Fee required.

Officers for 1896–1897: President, George F. Kunz; Secretary, Daniel S. Martin; Treasurer, J. W. Freckelton.

EXECUTIVE COMMITTEE: Ernest Schernikow, E. R. McCarty, Lazard Cahn.

NOMINATING COMMITTEE: Frederick Kato, E. R. McCarty.

COMMITTEE ON EXCURSIONS: W. G. Levison, James Walker, Frederick Kato, George E. Ashby, J. A. Grenzig.

CURATORS: R. P. Whitfield, William Niven, Gilman S. Stanton.

The Club owns the B. B. Chamberlin collection of New York Island Minerals, deposited, with other strictly local specimens, in the American Museum of Natural History. Its object is particularly the study of the minerals of Manhattan Island and the vicinity, and the collection and preservation of data and material in relation thereto.

THE AMERICAN MATHEMATICAL SOCIETY.

Organized as the New York Mathematical Society, November 24th, 1888. Reorganized as the American Mathematical Society, July 1st, 1894. Not incorporated. Total Membership, 267, not classified. Local Members, included in this Directory, 47.

Meetings are held at 3.00 P. M., on the last Saturday of each month, from October to May inclusive, at Columbia College.

Annual Meeting, during the week between Christmas and New Year's Day.

Annual Dues, \$5.00. Initiation Fee, \$5.00.

The "Bulletin of the American Mathematical Society" is an historical and critical review of mathematical science, appearing ten times a year. It contains the proceedings of the Society. Publication begun in October, 1891.

OFFICERS for 1896 are as follows: President, G. W. Hill; Vice-President, H. A. Newton; Secretary, F. N. Cole; Treasurer, R. S. Woodward; Librarian, Pomeroy Ladue.

COMMITTEE OF PUBLICATION: Thomas S. Fiske, Alexander Ziwet, Frank Morley.

OTHER MEMBERS OF THE COUNCIL: To serve until 1897, Henry B. Fine, E. Hastings Moore, Ormond Stone; To serve until 1898, Simon Newcomb, C. A. Scott, H. S. White; To serve until 1899, E. W. Hyde, W. Woolsey Johnson, B. O. Peirce.

PAST PRESIDENTS: J. H. Van Amringe, 1888-1890; Emory McClintock, 1890-1894; G. W. Hill, 1895.

NEW YORK SECTION OF THE AMERICAN CHEMICAL SOCIETY.

Organized under Charter of the parent Society, April 29th, 1892. Total Membership 171, divided as follows: Active 153 ; Associate 18.

Meetings are held on the second Friday of October, November, December, January, February, March, April, May, and June.

Annual Meeting, the second Friday in October.

Annual Dues for American Chemical Society, \$5.00. Initiation Fee, \$5.00. No additional dues have been established for the Local Section.

Publishes "Proceedings," in the Journal of the American Chemical Society, now in its 17th volume.

Officers for the current year are : Chairman, P. T. Austen; Secretary and Treasurer, Durand Woodman. These, together with A. A. Breneman, Wm. McMurtrie and Albert C. Hale, constitute the Executive Committee.

The Library of the American Chemical Society is deposited with this Section.

THE NEW YORK ENTOMOLOGICAL SOCIETY.

Organized June 29, 1892. Incorporated June 7, 1893. Total Membership 122, divided as follows : Active 48; Corresponding 74.

Meetings are held at the American Museum of Natural History on the first and third Tuesday evenings of each month (except July and August). Annual Dues, \$3.00 for active membership; \$2.00 for associate membership.

Publishes "Journal of the New York Entomological Society," now in its fourth volume. Wm. Beutenmuller, Editor.

Officers for 1896 : President, J. L. Zabriskie ; Vice-President, Charles Palm ; Recording Secretary, L. H. Joutel ; Corresponding Secretary, R. L. Ditmars ; Treasurer, C. F. Groth.

EXECUTIVE COMMITTEE: E. G. Love, O. Dietz, H. G. Dyar, C. F. Groth, Charles Palm.

PUBLICATION COMMITTEE : E. Daecke, Wm. Beutenmuller, L. H. Joutel, C. Schaeffer.

FIELD COMMITTEE : L. T. Münch, J. Meitzen.

PAST PRESIDENTS : Charles Palm, 1892; G. W. J. Angell, 1893; Wm. Beutenmuller, 1894; J. L. Zabriskie, 1895.

REPORT OF THE SECRETARY.

For the Year May, 1895-May, 1896.

The Fifth Annual Directory was issued in July, 1895.

The Bulletins have been regularly issued about the first of each month, from October to May, inclusive, and have announced most of the stated papers read before the Societies.

The Council has held meetings on June 26th and Sept. 17th, 1895, and on March 12th, 1896, a quorum being present at all.

The total membership of the Alliance is indicated at the end of this pamphlet; 939 names were included in the Fifth Annual Directory.

Articles of a Constitution were adopted at the meeting held Sept. 17th, 1895. They are printed in this issue of the Directory.

REPORT OF THE TREASURER.

1893-1896

SOCIETIES' FUND.

Receipts May 16th, 1895, to May 21st, 1896.

1895.			
May 16.	Balance from old account.....		\$0 60
Oct. 9.	From Treasurer of Linnæan Society.....	\$42 00	
" 14.	" " Mathematical Society.....	24 00	
" 18.	" " Microscopical Society.....	48 00	
" 25.	" " Torrey Botanical Club....	54 00	
Nov. 7.	" " Entomological Society....	30 00	
" 11.	" " Chemical Society	63 00	
" 13.	" " Academy of Sciences.....	69 90	
Dec. 4.	" " Mineralogical Club.....	42 00	
1896.			
Mch. 28.	" " Torrey Botanical Club....	54 00	
Apl. 2.	" " Academy of Sciences	69 00	
" 15.	" " Linnæan Society.....	42 00	
" 30.	" " Chemical Society	63 00	\$600 00
			\$600 60

DISBURSEMENTS.

1895.			
July 28.	Fifth Annual Directory.....	\$203 00	
Oct. 9.	October Bulletin.....	48 21	
Nov. 8.	November "	40 33	
" 8.	8 letters to Treasurers.....	1 25	
Dec. 9.	December Bulletin.....	40 47	
1896.			
Jan. 8.	January Bulletin	41 21	
Feb. 10.	February "	41 70	
Mch. 7.	March "	42 23	
" 12.	Postage, stationery and clerical assistance...	15 60	
" 18.	Stationery	2 10	
Apl. 14.	April Bulletin.....	42 47	
May 6.	May "	43 49	\$562 06
Balance.....			\$38 54

Examined and found correct.

F. G. LOVE, *Auditor.*

REPORT OF THE TREASURER—Continued.

JOHN STRONG NEWBERRY FUND.

Receipts May 16th, 1895, to May 21st, 1896.

1895.		
May 16.	Balance from old account	\$757 96
	Interest to Jan. 1st, 1896	\$30 00
" 31.	Receipts for month, as see p. 61 of Cash Book	95 00
June 30.	Receipts for month, as see p. 61 of Cash Book	50 00
		175 00
		932 96

DISBURSEMENT.

1896.		
Mch. 12.	Typewriting	20 00
	Balance.....	\$912 96

Examined and found correct.

E. G. LOVE, *Auditor.*

GENERAL FUND OF THE COUNCIL.

May 16th, 1895, to May 21st, 1896.

1895.		
May 16.	Balance from old account	\$936 74
	Interest to Jan. 1st, 1896	31 38
		\$968 12

DISBURSEMENTS.

1895.		
May 17-18.	Postage and stationery	\$4 25
July 8.	Printing	3 25
" 20.	Mimeographing	2 18
Oct. 9.	Telephone and postage	1 08
	Balance.....	\$957 36

Examined and found correct.

E. G. LOVE, *Auditor.*

REPORT OF THE TREASURER—Continued.

RECAPITULATION.

Former Balance, Societies' Fund.....	60	
“ “ Newberry Fund	757 96	
“ “ General Fund.....	936 74	\$1,695 30

RECEIPTS.

Societies' Fund.....	600 00	
Newberry Fund	175 00	
General Fund.....	31 38	806 38
		\$2,501 68

DISBURSEMENTS.

Societies' Fund.....	\$562 06	
Newberry Fund	20 00	
General Fund.....	10 76	592 82
Total Balance.....		\$1,908 86
Cash in Bank		1,908 86

W. D. SCHOONMAKER, *Treasurer.*

Correct.

E. G. LOVE, *Auditor.*

PAPERS PRESENTED BEFORE THE SOCIETIES,

OCTOBER, 1895, TO JUNE, 1896.

J. A. ALLEN.—On the Mammals of Southwestern Texas, from Field Notes and Specimens collected by Mr. H. P. Attwater. Linnæan Society, Oct. 22d.

Remarks on a Fish-eating Rodent from Peru. Linnæan Society, April 28th.

C. L. ALSBERG.—On the early Development of the Brain of the Gar-pike. Academy of Sciences, May 11th.

W. O. ATWATER.—Investigations in the Chemistry of Nutrition. Chemical Society, March 6th.

PETER T. AUSTEN.—(1) Laboratory Note-Book. (2) Cold Production of Oxygen. (3) Specimen Bottle. (4) The Commercial Production of Hæmatein. (5) A Modified Inverted Flame Apparatus. Chemical Society, Oct. 4th.

Note on Runge's "Bildungstrich" of Substances. Chemical Society, Nov. 8th.

A new Form of Lecture Apparatus. Chemical Society, April 10th.

WM. BEUTENMULLER.—Remarks on *Eudæmonia argus* and *Papilio homerus*. Entomological Society, Dec. 3d.

Preliminary Notes on the Pacific Coast species of *Catocala* and their varieties. Entomological Society, Dec. 17th.

Notes on the Clear-winged Moths (Sesiidæ) inhabiting the United States and Canada. Entomological Society, Jan. 21st.

Note on *Catocala electilis* and *Catocala irene*. Entomological Society, Feb. 4th.

Note on the Occurrence of *Sesia culiciformis* (a European species) in America. Entomological Society, March 3d.

MARTIN BIRNBAUM.—On phosphorescent Insects and Plants. Entomological Society, March 17th.

L. B. BISHOP.—A Day in North Dakota. Linnæan Society, Dec. 10th.

FRANZ BOAS.—The Indians of Vancouver Island. (Public Lecture.) Linnæan Society, Jan. 14th.

Measurements of the School Children of Toronto. Academy of Sciences, April 27th.

MARSTEN T. BOGERT.—Normal Heptyl Sulfoeyanid. Chemical Society, May 8th.

A. A. BRENNEMAN.—Items of Interest from the Cleveland Meeting. Chemical Society, Feb. 7th.

C. L. BRISTOL.—The Classification of *Nephelis* in the United States. Academy of Sciences, Dec. 9th.

ELIZABETH G. BRITTON.—Remarks on the Luminous Moss, *Schistostega osmundacea*. Torrey Botanical Club, Oct. 30th.

Notes on Mexican Mosses. Torrey Botanical Club, April 29th.

N. L. BRITTON.—New or noteworthy North American Phanerogams. Academy of Sciences, Nov. 11th.

Some noteworthy North American Cyperaceæ. Torrey Botanical Club, Jan. 29th.

E. W. BROWN.—On the Particular Integrals of Linear Differential Equations, and their Applications to the Lunar Theory. Mathematical Society, March 28.

W. H. BURLEIGH.—Exhibition of Specimens, showing effects of Gun Cotton Explosions. Chemical Society, Nov. 8th.

FREDK. B. CARTER.—The Radiolaria. Microscopical Society, May 15th.

J. McKEEN CATTELL.—A Method for determining photometric Differences by the Time of Perception. Academy of Sciences, April 27th.

FRANK M. CHAPMAN.—Remarks on Birds collected in Greenland by the Peary Expedition. Linnæan Society, Nov. 26th.

Notes on Birds observed in Yucatan. Linnæan Society, May 26th.

HERBERT WHEATON CONGDON.—Random Notes on some Birds seen between Scotland and Iceland during August, 1895. Linnæan Society, Dec. 10th.

CHARLES F. COX.—Some recent Advances in the Determination of Diatom Structure. Microscopical Society, April 17th.

CARLTON C. CURTIS.—Some physiological Aspects of Growth. Microscopical Society, May 1st.

H. P. CUSHING.—Notes on the Areal Geology of Glacier Bay, Alaska. Academy of Sciences, Dec. 16th.

BASHFORD DEAN.—Notes on the Ancestral Sharks. Academy of Sciences, Nov. 11th.

European Aquaria. Microscopical Society, Dec. 20th.

Is *Palæospondylus* a Fossil Lamprey? Academy of Sciences, Jan. 13th.

On the Vertebral Column of *Dinichthys*. Academy of Sciences, May 11th.

R. L. DITMARS.—Notes on Collecting at the Delaware Water Gap. Entomological Society, Dec. 3d.

The Snakes found within 50 miles of New York City. Linnæan Society, Dec. 24th.

The Sea Snakes (Hydrophidæ). Linnæan Society, April 28th.

R. E. DODGE.—The Physical Geography of the Vicinity of New York. (Public Lecture.) Academy of Sciences, Jan. 27th.

The Cretaceous and Tertiary Peneplains of Eastern Tennessee. Academy of Sciences, March 16th.

WILLIAM F. DÖERFLINGER.—Metallo-aniline Compounds. Chemical Society, April 10th.

P. H. DUDLEY.—Structure in Steel. Microscopical Society, Feb. 21st.

The Law of Deflection Sets under Drop Tests in different Sections of Steel Rails of uniform physical Properties, follows the comparative Moments of Inertia of the respective Sections. Academy of Sciences, April 6th.

H. G. DYAR.—Note on the Head Setæ of Lepidopterous Larvæ. Entomological Society, Feb. 18th.

R. G. ECCLES.—New Facts about *Calycanthus*. Chemical Society, Feb. 7th.

WARREN H. EVERETT.—On the Anatomy of the Ear in *Galeus canis*. Academy of Sciences, May 11th.

LIVINGSTON FARRAND.—Primitive Education. Academy of Sciences, April 27th.

L. S. FOSTER.—Remarks on twenty species of Birds frequently observed in New York City and Vicinity. Linnæan Society, March 24th.

The Status of the Flycatchers in the Vicinities of New York and Philadelphia. Linnæan Society, April 14th.

F. H. GIDDINGS.—A Plan for the systematic Study of tribally organized Societies. Academy of Sciences, April 27th.

ARNOLD GRAF.—Notes on the Inheritance of acquired Character. Academy of Sciences, Feb. 10th.

The Problem of the Transmission of acquired Characters. Academy of Sciences, March 9th.

WALTER W. GRANGER.—Mammals of the Bitter Creek Desert, Wyoming. Linnæan Society, March 24th.

EMILY L. GREGORY.—Theories of the Origin and Nature of the Starch Grain. Torrey Botanical Club, Nov. 12th.

B. B. GRIFFIN.—The History of the achromatic Structures in the Maturation and Fertilization of *Thalassema*. Academy of Sciences, May 11th.

EDWIN I. HAINES.—The Starlings at Home and Abroad. Linnæan Society, May 12th.

HENRY HALES.—Tameness and Domestication. Linnæan Society, Dec. 10th.

BYRON D. HALSTED.—Economic Field Botany. Torrey Botanical Club, Feb. 26th.

N. R. HARRINGTON.—Observations on the Lime Gland of the Earthworm. Academy of Sciences, Feb. 10th.

VALERY HAVARD.—Drink-plants of the North American Indians. Torrey Botanical Club, Jan. 29th.

A. A. HELLER.—Botanizing in Hawaii. Torrey Botanical Club, Feb. 11th.

R. HENDERSON.—On Moral Values. Mathematical Society, Oct. 26th.

G. C. HENNING.—Review of the present Status of Steel Analyses. Chemical Society, Jan. 10th.

E. R. HEWITT.—The Specific Gravity of Glue Solutions. Chemical Society, March 6th.

G. W. HILL.—On the Convergence of the Series Used in the Subject of Perturbations. Mathematical Society, Nov. 30th.

Remarks on the Progress of Celestial Mechanics since the Middle of the Century. Presidential Address, Mathematical Society, Dec. 27th.

J. E. HILL.—Bibliography of Surfaces and of Twisted Curves. Mathematical Society, May 23d.

ARTHUR HOLLICK.—Geological Notes from Nantucket and Long Island. Academy of Sciences, Oct. 28th.

Leguminous Pods from the Yellow Gravel Sandstone at Bridge-ton, N. J. Torrey Botanical Club, Feb. 11th.

Appendages to the Petioles of *Liriodendra*. Torrey Botanical Club, May 12th.

(With N. L. BRITTON.) Additions to the Flora of Staten Island. Torrey Botanical Club, Nov. 12th.

E. O. HOVEY.—The new Discoveries of rare Minerals on the Speedway, along the Harlem River. Academy of Sciences, Jan. 20th.

ARTHUR H. HOWELL.—Impressions of some of the Birds of the Northwest, with Remarks on their Distribution. Linnæan Society, Feb. 11th.

Remarks on Mammals collected in Montana, Idaho, Washington and Utah during 1895. Linnæan Society, Feb. 25th.

Notes on the Early Spring Migrants of 1896 at Lake Grove, Suffolk Co., N. Y. Linnæan Society, May 12th.

G. S. HUNTINGTON.—Contributions to the Visceral Anatomy of the Edentates. Academy of Sciences, Jan. 13th.

JOHN D. IRVING.—The Stratigraphy of the Browns Park Beds, Utah. Academy of Sciences, April 20th.

ALICE M. ISAACS.—(With MARIAN SATTERLEE.) Notes on a Comparative Study of the Leaf of *Solidago paucifloruscula* Michx. Torrey Botanical Club, Jan. 14th.

HAROLD JACOBY.—On the Reduction of the Astrophotographic Plates. Academy of Sciences, Oct. 14th.

On the Determination of the Division Errors of a straight Scale. Academy of Sciences, Dec. 2d.

On the Reduction of Astronomical Photographs taken near the Pole of the Heavens. Academy of Sciences, Feb. 3d.

On the Permanence of the Rutherford Photographs. Academy of Sciences, April 6th.

SMITH ELY JELLIFFE.—Common Edible and Poisonous Fungi. Torrey Botanical Club, Dec. 10th.

L. H. JOUTEL.—Preliminary Notes on the Habits and Life Histories of the North American species of *Saperda*. Entomological Society, Nov. 19th.

On the Borings of *Cyllene pictus*. Entomological Society, March 3d.

ALEXIS A. JULIEN.—Sand; the Method of its Study. Microscopical Society, Nov. 15th.

The condensed Gas Film of the Surface of solid Bodies, with relation to (1) Newton's rings of the first order ; (2) Sand flotation ; (3) Sand in harmonic Vibration. Academy of Sciences, Jan. 6th.

J. F. KEMP.—Zinc and Lead Mines in Southwestern Virginia. Academy of Sciences, Nov. 18th.

The Cripple Creek Gold Mining District ; illustrated by the lantern and by specimens collected by the speaker the past summer. Academy of Sciences, Feb. 17th.

The great Quartz Vein at Lantern Hill, Mystic, Conn., and its Decomposition. Academy of Sciences, May 18th.

The Pre-cambrian Topography of the Adirondacks. Academy of Sciences, May 18th.

(With T. G. WHITE.) Additional Notes on the Distribution and Petrography of Trap Dikes in the Lake Champlain Region. Academy of Sciences, Jan. 20th.

HARRY MOWER LEE.—On the Myology of the Shoulder Girdle of *Lagothrix humboldtii*, a South American Monkey. Academy of Sciences, May 11th.

ALBERT R. LEEDS.—(1) Titration of Zinc and Aluminum Hydroxids. (2) Certain Basic Salts. Chemical Society, Oct. 4th.

Standard Prisms in Water Analysis and the Valuation of Color in Potable Waters. Chemical Society, April 10th.

Bacteria in Milk Sugar. Chemical Society, May 8th.

WALLACE GOULD LEVISON.—(1) On Photographs of Geissler and Crookes radiant matter Tubes. (2) On the Comparison of high and low vacuum, electrical or radiant matter Phenomena with the Phenomena of the Aurora, the Solar Corona and Comets. (3) On Impressions on Photographic Plates and superposed Celluloid Films by the Röntgen Method with a small Coil Battery. (4) On probable Causes of Deterioration of Photographic Plates. Academy of Sciences, May 4th.

WILLIAM LIBBEY.—Two months in Greenland. (Public Lecture.) Linnean Society, March 3d.

H. A. LOOS.—Organs of Hearing and Stridulation of Insects. Entomological Society, May 19th.

EDWARD G. LOVE.—The Microscopical Identification of Starches in Food Adulteration. Microscopical Society, Jan. 17th.

Remarks on Acetylene as an Illuminant. Microscopical Society, Feb. 7th.

- L. McI. LUQUER.—Notes on recent Accessions of interesting Minerals, with exhibition of specimens. Academy of Sciences, Feb. 17th.
(With H. RIES.) The Area of Augen-gneiss, near Bedford, N. Y. Academy of Sciences, May 18th.
- EMORY McCLINTOCK.—On the most perfect Forms of Magic Squares, with Methods for their Production. Mathematical Society, April 25th.
- P. C. McILHINEY.—The Cassel-Hinman Gold and Bromin Process. Chemical Society, March 6th.
- J. McMAHON.—Note on the Separation of the Velocity Potential (expressed by Functions of Laplace and Bessel) into two Parts, representing an outward and inward moving Wave. Mathematical Society, Dec. 27th.
- W. P. MASON.—Chemical vs. Biological Examination of Water. Chemical Society, Nov. 8th.
- W. D. MATTHEW.—On the Metamorphism of Triassic Coals by Diabase Dykes, Egypt, N. C. Academy of Sciences, Jan. 20th.
- ALFRED M. MAYER.—On the Variation of the Modulus of Elasticity with Change of Temperature, as determined by the Transverse Vibrations of Bars at Various Temperatures; illustrated with Experiments on the acoustical Properties of Aluminum. Academy of Sciences, Feb. 3d.
A Polariscopes and Heliostat. Academy of Sciences, March 2d.
A Heliostat with small Mirrors, giving a Beam of intense Light, and forming an image at its focus. Academy of Sciences, May 4th.
- P. R. MOALE.—A Brief History of Naphthalene. Chemical Society, Dec. 6th.
- F. MORLEY.—On the Common Tangents of two Similar Epicycloids. Mathematical Society, Nov. 30th.
- E. H. MOORE.—A twofold Generalization of Fermats' Theorem. Mathematical Society, Feb. 29th.
- A. P. MORSE.—On the Stridulating Organs of Orthoptera. Entomological Society, Feb. 18th.
- GEO. V. NASH.—New Florida Plants. Torrey Botanical Club, March 10th.
- HOWARD S. NEIMAN.—A New volumetric Method for the Quantitative Estimation of Oreinol. Chemical Society, Oct. 4th.
- H. B. NEUSON.—On a remarkable Covariant of a System of n Quantics. Mathematical Society, March 28th.

HENRY ORFORD.—A Modern Microscopic Objective. Microscopical Society, Oct. 18th.

H. F. OSBORN.—The newly mounted Skeletons of *Titanotherium* and *Metamyodon* in the American Museum. Academy of Sciences, Nov. 11th.

Memorial Tribute to Professor Thomas H. Huxley. Academy of Sciences, Dec. 9th.

New and little known Perissodaactyla of the Lower Miocene Lake Basin, South Dakota. Academy of Sciences, Dec. 9th

A Mode of Evolution requiring neither Natural Selection nor the Inheritance of acquired Characters. Academy of Sciences, April 13th and May 11th.

T. B. OSBORNE.—Vegetable Proteids. Chemical Society, Dec. 6th.

A. S. PACKARD.—The Phosphorescent Organs of Insects. Entomological Society, Feb. 4th.

CHARLES A. POST.—Photographs taken of the Lunar Eclipse of September 3, 1895. Academy of Sciences, Dec. 2d.

M. I. PUPIN.—On the Magnetic Circuit. Academy of Sciences, Jan. 6th.

On the Integral of the Differential Equation

$$a \frac{d^2y}{dt^2} \times b \frac{dy}{dt} = c \frac{d^2y}{dx^2}$$

under certain Boundary Conditions occurring in the Theory of long Electrical Waves. Mathematical Society, Feb. 29th.

Röntgen's Discovery. (Public Lecture.) Academy of Sciences, March 23d.

J. K. REES.—Photographs of drawings of Mars by Percival Lowell, presented to Columbia College Observatory. Academy of Sciences, Dec. 2d.

Remarks on Representative Hurley's Bill in regard to the Obligatory Use of the Metric System. Academy of Sciences, Feb. 3d.

Presidential Address. The Progress of Astronomy during the year 1895. Academy of Sciences, March 30th.

(1) The Harvard College Observatory Photographs of Star Clusters, Planets, Variable Stars and Stellar Spectra. (2) Prof. J. E. Keeler's Planetary Spectra. Academy of Sciences, April 6th.

HEINRICH RIES.—The Geology of Orange County, N. Y. Academy of Sciences, Dec. 16th.

A Visit to the Bauxite Mines of Georgia and Alabama. Academy of Sciences, March 16th.

Notes of a Trip through the Marble Quarries of western New England and eastern New York. Academy of Sciences, May 18th.

R. A. ROBERTS.—On the Locus of the Foci of Conics having Double Contact with two Fixed Conics. Mathematical Society, Nov. 30th.

H. H. RUSBY.—Poisonous Plants of the Vicinity of New York. Torrey Botanical Club, Nov. 27th.

P. A. RYDBERG.—Preliminary Notes on a Revision of the North American Species of *Potentilla* and related Genera. Torrey Botanical Club, April 14th.

C. SCHÆFFER.—The Species of the Coleopterous Genus *Nodonota*, of the United States. Entomological Society, March 3d.

ALBERT SCHNEIDER.—Some adaptive structural Features in the Lichens. Torrey Botanical Club, Oct. 30th.

The Uses of Lichens. Torrey Botanical Club, April 14th.

CHARLOTTE ANGAR SCOTT.—On the Theory of the Birational Transformations of a Plane Curve. Mathematical Society, April 25th.

W. B. SCOTT.—The Origin and Migrations of North American Mammals. (Public Lecture.) Linnæan Society, Jan. 28th.

H. A. SIEBRECHT.—The Origin of our Cultivated Azaleas. Torrey Botanical Club, March 25th.

JOHN K. SMALL.—Preliminary Notes on the North American Species of *Saxifraga*. Torrey Botanical Club, Jan. 29th.

Notes on the Flora of Yadkin Valley, N. C. Torrey Botanical Club, May 27th.

C. H. SMYTH, JR.—The Origin of the Tale Deposits near Gouverneur, N. Y. Academy of Sciences, April 20th.

C. L. SPEYERS.—Heats of Solution of some Carbon Compounds. Chemical Society, Nov. 8th.

J. J. STEVENSON.—Geological Notes on the Indian Territory. Academy of Sciences, Nov. 18th.

The Cerillos Coal Fields near Santa Fé, N. M. Academy of Sciences, Jan. 20th.

J. S. STILLWELL.—Some Experiences with highly compressed Gases. Chemical Society, Jan. 10th.

G. C. STONE.—Note on the probable Formation of Permanganates by the direct Combustion of Manganese. Chemical Society, Jan. 10th.

O. S. STRONG.—On the Use of Formaline in Injecting Media. Academy of Sciences, Jan. 13th.

A Case of Degeneration of the Optic Nerve in the Brain of the Skate, *Raja erinacea*. Academy of Sciences, April 13th.

F. B. SUMNER.—On the Descent Tree of the Variations of a Land Snail from the Philippines. Academy of Sciences, March 9th.

H. TABER.—On certain Subgroups of the General Projective Group. Mathematical Society, Jan. 25th.

ALEXANDRINA TAYLOR.—A comparative Study of the Superficial Periderm in a number of Species of *Salix*. Torrey Botanical Club, March 25th.

HENRY REED TAYLOR.—Individuality in Eggs of particular Pairs of Birds. Linnæan Society, April 14th.

A. A. TYLER.—Notes on the Morphology of the Leaves in the Genus *Galium*. Torrey Botanical Club, Oct. 30th.

A historical Review of the Study of Stipules. Torrey Botanical Club, May 12th.

CORNELIUS VAN BRUNT.—The Natural Flora of Bronx Park. (Public Lecture.) Academy of Sciences, Nov. 25th.

The Flowers of Central Park. Torrey Botanical Club, April 29th.

GILBERT VAN INGEN.—(With T. G. WHITE.) An Account of Summer Work in Geology on Lake Champlain. Academy of Sciences, Oct. 28th.

EDWARD B. VOORHEES.—Progress of Chemical Work in the Agricultural Experiment Stations. Chemical Society, Oct. 4th.

J. H. WAINWRIGHT.—Determination of Solid Fats in artificial Mixtures of Vegetable and Animal Fats. Chemical Society, Dec. 6th.

F. M. WEBSTER.—On the probable Origin, Development and Diffusion of North American Species of *Diobrotica* (a genus of Coleoptera). Entomological Society, Nov. 5th.

R. WEIL.—On the Origin of the Ear-bones in the Lower Mammals. Academy of Sciences, May 11th.

H. S. WHITE.—Kronecker's Linear Relation among Minors of a Symmetric Determinant. Mathematical Society, Jan. 25th.

THEODORE G. WHITE.—The Faunas of the Upper Ordovician Strata at Trenton Falls, N. Y. Academy of Sciences, Dec. 16th.

The North American Species of the Genus *Vicia*. Torrey Botanical Club, March 10th.

(With GILBERT VAN INGEN.) An Account of Summer Work in Geology on Lake Champlain. Academy of Sciences, Oct. 28th.

TIMOTHY E. WILCOX.—Botanizing in Arizona. Torrey Botanical Club, April 29th.

HARVEY W. WILEY.—The Composition and Analysis of Milk. Chemical Society, May 8th.

R. S. WOODWARD.—Results of Experiments on Metallic Spheres falling in Water. Academy of Sciences, Oct. 14th.

Note on an Error in Church's Descriptive Geometry, relative to the Surface generated by the Motion of a Straight Line Tangent to a Helix. Mathematical Society, Oct. 26th and Nov. 30th.

On Systems of Units in Mechanics. Academy of Sciences, Nov. 4th.

J. L. WORTMAN.—A Report on the Expedition of 1895 of the American Museum of Natural History. Academy of Sciences, Dec. 9th.

DIRECTORY.

NOTE: The letters following the address indicate membership in the Societies of the Alliance, viz.—“A” New York Academy of Sciences; “B” Torrey Botanical Club; “C” New York Section of the American Chemical Society; “E” New York Entomological Society; “L” Linnæan Society of New York; “M” New York Microscopical Society; “Ma” American Mathematical Society; “Mi” New York Mineralogical Club.

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CLENEN, MISS JEANETTE, Ramsey, N. J.	B
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COLE, PROF. FRANK N., Columbia University.....	Ma
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COMSTOCK, FRED. H., 119 West 86th st.....	Mi
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CONKLING, HON. ALFRED R., 27 East 10th st.....	A
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COUTIE, WILLIAM, Troy, N. Y.....	C
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FRASER, HORATIO W., 262 Fifth avenue	M
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FRIZELL, A. B., New York University	Ma
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GIBBS, THEODORE K., 146 Broadway	L
GIBBS, MRS. VIRGINIA B., 62 West 21st st	M
GIBIER, PAUL, M.D., 5 West 97th st.	A
GIBSON, CAPT. W. W., U.S.A., Cleveland, Ohio	A
GIDDINGS, PROF. F. H., Columbia University	A
GILBERT, B. D., 109 West 88th st.	B
GILLET, LOUIS B., 131 East 76th st	L
GILMAN, G. H., 71 Wall st.	Ma
GILMAN, THOMAS P., Palisades, N. Y	B
GODKIN, E. L., 36 West 10th st.	A, L

GOLDSCHMIDT, S. A., Ph.D., 43 Sedgwick st., Brooklyn, N. Y.	C
GOODRIDGE, EDWIN A., M.D., 63 Jamaica avenue, Flushing, N. Y. . .	C, L
GOULD, EDWIN, Dobbs Ferry, N. Y.	A
GOULD, FRANK J., Irvington, N. Y.	A
GOULD, GEORGE J., 1 East 67th st.	A
GOULD, HELEN M., Irvington, N. Y.	A
GOULEY, J. W. S., M.D., 11 East 43d st.	A
GRAHAM, W. H., 5 Valley Place, Upper Montclair, N. J.	C
GRANGER, WALTER W., Am. Mus. Nat. History.	L
GRATACAP, LOUIS P., Am. Mus. Nat. History.	Mi
GRAVES, GEORGE H., Bridgeport, Conn.	C
GRAVES, JAMES A., Susquehanna, Penn.	B
GREACEN, THOMAS E., 65 West 48th st.	A
GREEN, HON. ANDREW H., 214 Broadway.	A
GREEN, FREDERICK V., Nyack, N. Y.	Mi
GREENE MISS JEANETTE B., M.D., 75 West 55th st.	A, B
GREENWOOD, ISAAC J., 171 West End avenue.	L
GREGG, WILLIAM H., M.D., Port Chester, N. Y.	L
GREGORY, PROF. EMILY L., Ph.D., Barnard College.	B
GREGORY, J. C., Nyack-on-Hudson, N. Y.	Mi, M
GRENZIG, J. A., 25 Starr st., Brooklyn, N. Y.	Mi
GRIFFITHS, MISS IDA, 314 West 82d st.	Ma
GRINNELL, GEO. BIRD, Ph.D., 346 Broadway.	A
GROTH, CHRISTIAN F., 139 East 40th st.	E
GUDEMAN, EDWARD, 40 East 69th st.	A
HAAS, REV. G. C. F., 64 East 7th st.	M
HABIRSHAW, W. M., 315 Madison st.	C
HADDEN, ALEXANDER, M.D., 155 East 51st st.	L
HAHN, A. G. C., Nepera Park, N. Y.	C
HAIGH, DELAGNEL, 44 Broadway.	C
HAINES, EDWIN I., New Rochelle, N. Y.	L
HALE, PROF. ALBERT C., 551 Putnam avenue, Brooklyn, N. Y.	C
HALE, ALBERT W., 81 Clinton Place.	A
HALL, PROF. ROBERT W., University Laboratory, Fordham Heights. .	A, C
HALLOCK, A. P., Ph.D., 440 First avenue.	C
HALLOCK, PROF. WILLIAM, Columbia University.	A
HALSTED, PROF. BYRON D., New Brunswick, N. J.	B
HAMILTON, MISS ANNIE E., Baldwins, N. Y.	B
HAND, DANIEL, 63 East Park st., Newark, N. J.	C
HARD, JAMES M. B., 107 Wall st.	M
HARTMANN, JACOB, M.D., 267 West 36th st.	L
HARVEY, C. A., M.D., 816 Broadway.	Mi

HASCALL, MRS. VIRGINIA K., 110 East 16th st.	A
HATHAWAY, H. S., M.D., 140 West 92d st.	M
HAVARD, VALERY, M.D., Fort Slocum, New Rochelle, N. Y.	B
HAVELL, G. H., 263 Eighteenth st., Brooklyn, N. Y.	E
HAVEMEYER, H. O., 117 Wall st.	C
HAVEMEYER, H. O., JR., 244 Madison avenue.	L
HAVEMEYER, J. C., Yonkers, N. Y.	L
HAVEMEYER, T. A., 117 Wall st.	C
HAVEMEYER, WILLIAM F., 29 West 19th st.	A
HAYS, JOSEPH A., 147 South 18th st., Pittsburgh, Penn.	B
HAZARD, R. G., Peacedale, R. I.	L
HEINEMAN, HENRY N., M.D., 3 East 14th st.	A
HEITZMAN, CARL, M.D., 39 West 45th st.	M
HELLER, A. A., 411 West Walnut st., Lancaster, Penn.	B
HELLER, MISS L. R., 115 East 82d st.	B
HELM, STEPHEN, 7 Nassau st.	M
HENDERSON, JOHN C., 108 West 40th st.	Mi
HENGSTLER, LOUIS, JR., Hoboken, N. J.	C
HENSHAW, SAMUEL, West Brighton, Staten Island, N. Y.	B
HERING, PROF. DANIEL W., University Heights.	A
HERITAGE, B., Mickleton, N. J.	B
HERRESHOFF, J. B. F., 112 Hicks st., Brooklyn, N. Y.	C
HERRICK, HAROLD, 135 Broadway	L
HERRICK, WILLIAM H., 54 Vesey st.	C
HERRMAN, MRS. ESTHER, 59 West 56th st.	A, L, Mi
HERTER, C. A., M.D., 839 Madison avenue	A
HEWITT, HON. ABRAM S., LL.D., 9 Lexington avenue	A
HEWITT, EDWARD R., 8 East 9th st.	C
HEYLYN, MRS. EDWARD, Pentre-Heylyn Lodge, Manchester, Conn.	B
HICKS, EDWIN F., 52 Beaver st.	C
HIDDEN, WILLIAM EARL, 25 Orleans st., Newark, N. J.	Mi
HILL, GEORGE W., LL.D., West Nyack, N. Y.	Ma
HILL, J. E., Columbia University	Ma
HILLS, FRANK G., 240 Albany avenue, Brooklyn, N. Y.	B
HINTON, JOHN H., M.D., 41 West 32d st.	A
HITCHCOCK, MISS FANNIE M., 300 William st., East Orange, N. J.	A, B, Mi
HOE, HENRY, 91 John st.	A
HOFFMAN, REV. E. A., D.D., 1 Chelsea Square.	A
HOLLADAY, PROF. WALLER, Cooper Institute	Ma
HOLLICK, ARTHUR, Columbia University	A, B
HOLMES, W., 469 Summer avenue, Newark, N. J.	B
HOLT, HENRY, 27 West 23d st.	A, L

HOMER, C. S., JR., 57 Broadway	C
HOOPER, PROF. FRANKLIN W., 71 St. James Place, Brooklyn, N. Y.	A
HORNADAY, WILLIAM, Park Avenue Hotel	A
HORNE, WILLIAM D., Yonkers, N. Y	C
HOWARD, CLARENCE C., M.D., 57 West 51st st.	B
HOWE, ERNEST, 223 Durfee Hall, New Haven, Conn.	B
HOWELL, ARTHUR H., Lake Grove, N. Y.	L
HOWELL, MISS JEAN K., Barnard College	B
HOYT, ALFRED M., 1 Broadway	A
HUBBARD, PROF. O. P., M.D., 123 West 55th st	A
HUBBARD, WALTER C., Room 25, Cotton Exchange	A, M
HUG, HERMAN, 345 West 13th st.	E
HUGHES, GEO. F., 203 Broadway	M
HULST, REV. GEORGE D., 15 Elmrod st., Brooklyn, N. Y.	B
HUMASON, H. A., M.D., 42 West 76th st.	A
HUNT, JOSEPH H., M.D., 165 Quincy st., Brooklyn, N. Y.	B, Mi
HUNTINGTON, GEORGE S., M.D., College of Physicians and Surgeons. .	A
HUNTINGTON, S. V. V., 69 East 78th st	C
HUNZIKER, AUGUST, M.D., Paterson, N. J.	C
HUTCHINS, E. H., 31 Broadway	Mi
HYATT, J. D., 69 Burling Lane, New Rochelle, N. Y.	M, Mi
HYDE, B. TALBOT B., 20 West 53d st.	L
HYDE, E. FRANCIS, 522 Fifth avenue	A, L
HYDE, FREDERICK E., M.D., 20 West 53d st	L
HYDE, FREDERICK E., JR., 20 West 53d st	L
HYDE, FREDERICK S., 40 Clinton st., Brooklyn, N. Y.	C
ILES, GEORGE, Park Avenue Hotel	A
INGERSOLL, MISS HELEN M., 788 Broadway	B
IRELAND, JOHN B., 170 Broadway	A, L
IRVING, JOHN, 550 Park avenue.	L
ISAACS, MISS ALICE M., 110 East 73d st	B
ISHAM, C. BRADLEY, 123 East 37th st.	L
IVES, LOYAL M., 769 Broadway	Mi
IVISON, DAVID B., University Building, Washington Square. .	L
JACKSON, PROF. A. V. WILLIAMS, Columbia University.	A
JACOBI, ABRAM, M.D., 110 West 34th st.	A
JACOBUS, PROF. D. S., Stevens Institute, Hoboken, N. J	Ma
JACOBY, PROF. HAROLD, Columbia University	A, Ma
JAMES, D. WILLIS, 40 East 39th st.	A
JELLIFFE, S. ELY, M.D., College of Pharmacy	B
JESUP, MORRIS K., 197 Madison avenue	A
JESURUN, MORTIMER, M.D., Douglas, Wyoming.	L

JOHNS, JOHN, Perth Amboy, N. J	C
JOHNSON, ALEXANDER B., M.D., 12 West 10th st.....	L
JOHNSON, EMIL F., 96 Maiden Lane.....	C
JOHNSON, FRANK E., Parkville, N. Y.....	C
JOHNSON, S. W., M.D., 54 Trumbull st., New Haven, Conn.....	C
JONES, MISS BEATRICE, 21 East 11th st.....	L
JONES, C. N., 127 West 58th st.	A, M
JOUTEL, LOUIS H., 164 East 117th st.....	L
JULIEN, ALEXIS A., Ph.D., Columbia University.....	A, M
JULIEN, MISS FANNIE, 964 Lexington avenue.....	L
KAIN, PROF. C. H., 1531 Centennial avenue, Phila., Penn	L
KANE, J. I., 49 West 23d st.....	L
KANE, S. NICHOLSON, Knickerbocker Club.....	A
KATO, FREDERICK, 236 Baldwin avenue, Jersey City, N. J.....	Mi, M
KEAN, MRS. HAMILTON, 89 Park avenue.....	L
KEARNEY, T. H., JR., U. S. Dept. of Agric., Washington, D. C.....	L
KEATOR, CHARLES E., Nostrand and Park avenues, Brooklyn, N. Y.	C
KELLER, MISS ELENOR, 331 West 23d st.....	M
KELLOGG, MISS E. H., 36 East 39th st., Bayonne, N. J.....	L
KELSEY, JAMES A., Rutgers College, New Brunswick, N. J.....	L
KEMP, PROF. JAMES F., 211 West 139th st.....	A
KEMPER, L. SCOTT, 238 West 11th st.....	L
KENDALL, MRS. E. DWIGHT, Sewaren, N. J	C, L
KENDIG, REV. A. B., 2190 Seventh avenue.	L
KENT, WALTER H., Ph.D., 194 Joralemon st., Brooklyn, N. Y.....	C
KEPPLER, RUDOLPH, 28 West 70th st.....	L
KIESSIG, C. H., 4 Gold st.....	C
KING F. T., 91 Columbia Heights, Brooklyn, N. Y.....	C
KIRBY, MRS. CHARLES M., Jamaica, N. Y.....	L
KIRSCH, LOUIS, 161 Roebling st., Brooklyn, N. Y.....	M
KNEER, FERDINAND G., 236 West 51st st.....	M, M
KNÜPFER, MISS LAURA H., 887 Jackson avenue.....	L
KOSMAK, GEORGE W., 23 East 93d st.....	M
KRAUSE, O. H., Ph.D., Prospect avenue, Hackensack, N. J.....	C
KRAUSI, WM. J., M.D., 216 East 17th st.....	M
KRETZ, F. H., M.D., 149 West 12th st.....	L
KROUT, A. F., 2132 N 13th st., Philadelphia, Penn.....	L
KUCHLER, F., 12 East 131st st.....	L
KUDLICH, H. F., M.D., 56 West 17th st.	L
KUNTZE, PROF. DR. OTTO, Villa Girola, San Remo, Italy	L
KUNZ, GEORGE F., 15 Union Square.....	A, M, M
KUTTROFF, ADOLPH, 98 Liberty st.....	C

LADUE, PROF. POMEROY, University of the City of New York.....	Ma
LA FARGE, BANCEL, 51 West 10th st.....	L
LAGAI, G., PH.D., 17 Park Place.....	C
LAMB, OSBORN R., 356 West 22d st.....	A
LANDER, BENJAMIN, Nyack-on Hudson, N. Y.....	Mi
LANGDON, WOODBURY G., 719 Fifth avenue.....	L
LANGE, F., M.D., 130 East 61st st.....	L
LANGE, J. D., 220 West 79th st.....	L
LANGMANN, G., M.D., 121 West 57th st.....	B, L, E
LASHER, T. G., 76 Newell st., Brooklyn, N. Y.....	C
LASSITER, LIEUT. WILLIAM, U. S. A., Fort Hamilton, N. Y.....	B
LATHAM, WOODVILLE, 32 East 21st st.....	C
LAUDY, LOUIS H., PH.D., Columbia University..	A, C, M
LAWALL, MISS L. R., 352 East 8th st.....	B
LAWLER, CHARLES J., 9 Morton st., Brooklyn, N. Y.....	C
LAWRENCE, JOHN B., JR., 126 East 30th st.....	L
LAWRENCE, NEWBOLD T., 51 Liberty st.....	L
LAWRENCE, RICHARD HOE, 31 Broad st.....	B
LAWTON, J. M., 37 Fifth avenue.....	A
LEALE, CHARLES A., M.D., 604 Madison avenue.....	L
LE BRUN, M. M., 222 West 23d st.....	B, M
LE BRUN, MRS. MARIA O., 222 West 23d st.....	B, M
LEDERLE, ERNST J., 120 West 90th st.....	A, C
LEDoux, ALBERT R., PH.D., 9 Cliff st.....	A
LEE, PROF. FREDERICK S., M.D., College of Physicians and Surgeons..	A
LEE, H. C., 127 East 21st st.....	B, Mi
LEE, ISAAC A., 162 Somerset st., New Brunswick, N. J.....	C
LEEDS, PROF. A. R., PH.D., 900 Hudson st., Hoboken, N. J.....	A, C
LEEDS, MORRIS E., 3221 North 17th st., Philadelphia, Penn.....	B
LEGGETT, F. W., 301 Pearl st.....	M
LEGRAS, GUSTAVE, College of the City of New York.....	Ma
LELAND, MATTHEW J., M.D., 406 Bergen st., Brooklyn, N. Y.....	C
LEMBKE, CHAS. F., 21 Union Square.....	A
LEVINE, EDMUND J., 23 East 72d st.....	A
LEVISON, W. GOOLD, PH.D., 1435 Pacific st., Brooklyn, N. Y.....	A, Mi
LEWIS, CHARLTON T., PH.D., 32 Nassau st.....	Ma
LEWIS, MRS. JAMES F., 35 Mount Morris avenue.....	B
LEWIS, WALTER N., JR., 63 West 19th st.....	A
LIAUTARD, PROF. A., M.D., 141 West 54th st.....	A, L
LICHTENSTEIN, PAUL, 48 Exchange Place.....	A
LIGHTHIPE, REV. L. H., South Jacksonville, Fla.....	B
LING, G. H., PH.D., Columbia University.....	Ma

LIPPENCOTT, C. D., Swedesborough, N. J.	B
LIVINGSTON, L. S., 149 Fifth avenue	B
LLOYD, W. J., Lincoln Park, Yonkers, N. Y.	M
LOEB, PROF. MORRIS, PH.D., 118 West 72d st	A, C
LOGAN, WALTER S., 58 William st	L
LOOS, HERMAN, 119 East 115th st.	E
LORD, BENJAMIN, M.D., 34 West 28th st	A, L
LOVE, E. G., PH.D., 80 East 55th st.	A, M, E
LOW, HON. SETH, LL.D., Columbia University	A, L
LOWEY, WILLIAM, Winthrop st., Flatbush, N. Y.	B
LUHRMAN, JOHN. JR., 158 Pacific avenue, Jersey City, N. J.	L
LUQUER, MISS ELOISE P., Bedford, N. Y.	B
LUQUER, LEA McL., Columbia University	A
LUTHER, MISS AGNES, 29 Walnut st., Newark, N. J.	Mi
LYNCH, J. B., M.D., P. O. Box 1100, N. Y. City	C
LYON, PROF. APPLETON P., 710 Main st., Peekskill, N. Y.	B
MCCARTY, EDWIN R., 242 West 58th st	A, Mi
MCCCLINTOCK, EMORY, PH.D., LL.D., 32 Nassau st.	A, Ma
MCGUIRE, F. A., M.D., 631 Lexington avenue.	L
MCILHINEY, PARKER C., PH.D., Columbia University.	C
McKENNA, C. F., 221 Pearl st.	C
McLAUGHLIN, CHAS., 874 Broadway.	C
McLAURY, FRANK H., M.D., 244 West 42d st.	M
McLOUTH, PROF. L. A., New York University	A
McMURTRIE, WM, PH.D., 106 Wall st	C
MACDONALD, A. J., 69 Wall st.	L
MACDONALD, JOHN, 39 Broadway.	A
MAC DOWELL, W. F., M.D., Medical Department, Ellis Island, N. Y.	C
MACLAY, JAMES, Columbia University	Ma
MACY, C. A., 2d. 208 West 45th st.	A
MAITLAND, ALEXANDER, 45 Broadway.	C
MAITLAND, ROBERT L., 10 East 35th st.	L
MALLORY, J. HALSEY, 539a Greenpoint avenue, Brooklyn, N. Y.	C
MANDEL, JOHN A., 17 Lexington avenue.	C
MANN, CHARLES R., Orange, N. J.	A, Ma
MANNING, G. L., Stevens Institute, Hoboken, N. J.	Ma
MAR, FRED. W., M.D., 32 McDonough st., Brooklyn, N. Y.	C
MARBLE, MISS DELIA W., Bedford, N. Y.	B
MARBLE, MANTON, 532 Fifth avenue.	A
MARIE, PETER, 6 East 37th st.	A
MARQUAND, HENRY G., 11 East 68th st.	A
MARTIN, PROF. DANIEL S., PH.D., 75 West 55th st.	A, M

MASON, ALFRED H., 59 Maiden Lane.....	C
MASON, PROF. J. W., College of the City of New York.....	Ma
MASON, PROF. W. P., Rensselaer Polytechnic Institute, Troy, N. Y....	C
MATHER, GEORGE W., 53 Howe st., Passaic, N. J.....	Mi
MATHER, HENRY A., 27 Pierrepont st., Brooklyn, N. Y.....	C
MATHESON, W. J., 178 Front st.....	C
MATTHIESSEN, F. O., 117 Wall st.....	C
MAYER, PROF. A. M., Ph.D., Stevens Institute, Hoboken, N. J.....	A
MAYWALD, F. J., 592 Kosciusko st., Brooklyn, N. Y.....	C
MEAD, WALTER H., 67 Wall st.....	A, M
MEARNS, EDGAR A., M.D., U. S. A., Washington, D. C.	L
MEISEL, C. F. A., 402 Washington st.....	C
MEITZEN, JULIUS, 729 Garden st., Hoboken, N. J.	E
MELTZER, S. J., M.D., 66 East 124th st.....	A
MERRILL, FRED. J. H., Ph.D., N. Y. State Museum, Albany, N. Y....	A
MERTENS, CYRIL P., Park ave. and 16th st., E. Orange, N. J.....	C
MERZ, HENRY, 55 Maiden Lane.....	C
MESSINGER, H. J., JR., Ph.D., Metropolitan Life Insurance Co	Ma
MEYER, MAX, M.D., 58 East 114th st.....	M
MEYER, T. C., Union Club.....	A
MICHAELIS, GUSTAVUS, Albany, N. Y.....	C
MILLER, E. B., 141 East 40th st.....	B
MILLER, E. H., M.D., 41 East 49th st.....	C
MILLER, E. S., Floral Park, N. Y.....	B
MILLER, G. M., Montmoor, Rockland County, N. Y.....	C
MILLER, MRS. H. M., 628 Hancock st., Brooklyn, N. Y.....	L
MILLS, A. G., 38 Park Row.....	L
MILLSPAUGH, D. T., M.D., 25 Totowa avenue, Paterson, N. J.	B
MITCHELL, EDWARD, 31 East 50th st.....	A
MITCHELL, JOHN MURRAY, 35 Wall st.....	A
MOALE, PHILIP R., Ph.D., Green and West sts., Greenpoint, B'klyn, N. Y..	C
MOLINEAUX, ROWLAND, 6 Jersey st., Newark, N. J.....	C
MORGAN, J. L. R., New Brunswick, N. J.....	B
MORGAN, J. PIERPONT, 219 Madison avenue.....	A
MORGAN, MISS MARIA, 122 East 82d st.....	B
MORRIS, ROBERT T., M.D., 49 West 39th st.....	L
MORSE, J. H., 423 Madison avenue.....	A
MORTON, HENRY, Ph.D., Stevens Institute, Hoboken, N. J.....	C
MOSCHELLE, MRS. LOUISE, 185 Fifth avenue..	E
MOSES, PROF. ALFRED J., Columbia University.....	A
MOTT, HENRY A., Ph.D., P. O. Box 1457, N. Y. City.....	C
MOULTON, CHARLES W., 19 Virginia avenue, Poughkeepsie, N. Y.....	C

MULLER, GEORGE W., 840 Madison st., Brooklyn, N. Y.	M
MULLER, HERMAN J, 224 West 26th st.	B
MULLER, PAUL, 73 Webster ave., Jersey City, N. J.	Mi
MUNCH, LOUIS T., 235 East 56th st.	E
MUNSELL, C. E., PH.D., 110 Horatio st.	A, C
MURRAY, MISS C., 235 West 23d st.	B
MYERS, PROF. WILLIAM S., 98 Easton avenue, New Brunswick, N. J.	C
NASH, GEORGE V., Scott ave., Bedford Park.	B
NASH, STEPHEN P., 67 Wall st.	A
NEDHAM, THOMAS S., 23 West 82d st.	M
NELSON, MISS HELEN D., 35 East 29th st.	B
NEWCOMB, ALBERT S., M.D., 206 West 71st st.	M
NEWTON, H. J., 128 West 43d st.	A
NICHOLS, WILLIAM H., 45 Cedar st.	C
NIEMAN, HOWARD S., 569 Vernon avenue, Long Island City, N. Y.	C
NIESE, H. E., Mathiessen & Wiechers, Jersey City, N. J.	C
NIVEN, WILLIAM, 644 First avenue.	A, Mi
NORTHROP, MRS. A. R., 500 Warburton avenue, Yonkers, N. Y.	B
NOTT, F. J., M.D., 544 Madison avenue.	A
OAKES, F. J., 58 Stone st.	C
O'CONNOR, THOMAS D., 16 Exchange Place.	Mi
OGDEN, HENRY, 11 Pine st.	B
OLCOTT, E. E., 18 Broadway.	A
ORTH, A., 194 Fulton st.	C
OSBORN, PROF. HENRY F., Columbia University.	A, L
OSBORN, WILLIAM C., 273 Lexington avenue.	L
OSBORNE, THOMAS, M.D., P. O. Box 485, New Haven, Conn.	C
OSTERBERG, MAX, 232 East 62d st.	Ma
OTIS, PROF. FESSENDEN N., M.D., LL.D., 51 West 50th st.	A
OTTENDORFER, OSWALD, 150 West 59th st.	A
OTTOLENGUI, R., D.D.S., 104 West 61st st.	E
PAINE, A. G., JR., 47 West 45th st.	L
PALM, CHARLES, 172 East 64th st.	E
PALMER, MISS LUELLA A., 235 East 18th st.	B
PALMER, NOAH, 87 Bedford avenue, Brooklyn, N. Y.	M
PARISH, MISS EDITH, 1 West 19th st.	B
PARKER, C. E., East Orange, N. J.	C
PARKER, HERSCHELL C., Columbia University.	A
PARKES, T. J., Bergen Point, N. J.	C
PARMENTIER, H. A., M.D., 203 East 116th st.	M
PARMLY, D. D., 160 Broadway.	A
PARSONS, C. C., M.D., 43 Sedgwick st., Brooklyn, N. Y.	C

PARSONS, JOHN E., 111 Broadway.....	A
PATTEN, JOHN, Baltimore, Md.....	A
PAYNE, FRANK O., Chatham, N. J.....	B
PEABODY, HON. CHARLES A., 70 West 21st st.....	A
PECK, ROBERT L., 9 Cliff st.....	C
PELL, A., 58 William st.....	M
PELL, ALFRED, 20 East 35th st.....	A
PELLEW, CHARLES E., PH.D., 68 East 54th st.....	A, C, M
PERKINS, T. S., 39 Garden Place, Brooklyn, N. Y.....	C
PERRY, PROF. E. D., Columbia University.....	A
PETTIGREW, DAVID L., P. O. Box 1004, Worcester, Mass.....	A
PFISTER, J. C., Columbia University.....	A, Ma
PHILLIPS, A. H., Princeton, N. J.....	L
PHILLIPS, GEO. W., 120 Broadway.....	Ma
PHILLIPS, W. D., 77 Pine st.....	C
PHOENIX, LLOYD, Union Club.....	A
PIERSON, ISRAEL C., PH.D., 21 Cortlandt st.....	A, Ma
PIFFARD, HENRY G., M.D., 10 West 35th st.....	A, M
PITKIN, LUCIUS, PH.D., 138 Pearl st.....	A, C, M
PLUMLEY, G. L., Pulitzer Building.....	Ma
PLYER, CHARLES W., 22 West 60th st.....	M
POLLARD, CHARLES L., 1839 Fifth st., N. W., Washington, D. C.....	B
POLLARD, FRANK A., 413 St. Nicholas avenue ..	B
POMEROY, CHARLES T., PH.D., 190 Mount Pleasant ave., Newark, N. J. C	
POOL, FRANK J., 304 W. R. Building, Cleveland, O.....	B
PORTER, MISS ADELAIDE, 134 West 67th st.....	B
PORTER, LOUIS H., Yale University, New Haven, Conn.....	L
PORTER, PROF. THOS. C., D.D., Lafayette College, Easton, Penn.....	B
POST, C. A., 21 Washington Square, N.....	A
POST, GEO. B., 11 West 21st st.....	A
POTTER, O. B., 3 East 57th st.....	A
POWER, FREDERICK B., Hudson, N. Y.....	C
POWERS, MISS E. T., Baldwins, N. Y.....	B
PRAY, JOSEPH M., 93 Nassau st.....	L
PRENTICE, W. P., 155 Broadway.....	C
PRICE, PROF. THOMAS R., Columbia University.....	A
PRIME, F. E., 26 Broad st.....	A
PRIME, TEMPLE, 26 Broad st.....	A
PRIME, WILLIAM C., M.D., 38 East 23d st.....	E
PRINCE, JOHN D., 19 West 34th st.....	A
PROCHAZKA, G. A., M.D., 138 West 13th st.....	C
PRUDDEN, PROF. T. MITCHELL, M.D., Columbia University.....	A

PUPIN, PROF. M. I., Ph.D., Columbia University.....	A, Ma
QUACKENBOS, PROF. J. D., 331 West 28th st.....	A
QUACKENBUSH, L. SCHUYLER, 142 West 57th st.....	L
QUINTARD, C. H., Norwalk, Conn.....	Mi
RABE, FRANZ, 244 East 52d st.....	E
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COUNCIL: J. A. Allen, Franz Boas, R. E. Dodge, J. K. Rees, William Stratford, R. S. Woodward.

CURATORS: Bashford Dean, D. W. Hering, George F. Kunz, Morris Loeb, Heinrich Ries.

PUBLICATION COMMITTEE: J. J. Stevenson, J. K. Rees, N. L. Britton, Wm. Hallock, J. F. Kemp, H. F. Osborn.

FINANCE COMMITTEE: Henry Dudley, John H. Hinton, Cornelius Van Brunt.

SECTIONS are established in Astronomy and Physics, in Biology, in Geology and Mineralogy, and in Anthropology, Psychology, and Philology.

The Library consists of about 11,000 volumes and bound pamphlets, now deposited in the Library Building of Columbia University.

The Academy has no scientific collections.

PAST PRESIDENTS: Samuel L. Mitchell, 1817–1823; John Torrey, 1824–1826 and 1838; Joseph Delafield, 1827–1837; 1839–1865; Charles A. Joy, 1866–1867; John S. Newberry, 1868–1892; O. P. Hubbard, 1892–1893; H. Carrington Bolton, 1893–1894; J. K. Rees, 1894–1896.

THE TORREY BOTANICAL CLUB.

Incorporated, April 21st, 1871. Total Membership 377, divided as follows: Active 221; Corresponding 152; Honorary 4.

Meetings are held on the second Tuesday evening and last Wednesday evening of each month from October to May inclusive.

Field Meetings are held every Saturday from April to October inclusive.

Annual Meeting, the second Tuesday in January.

Number of Meetings held May, 1896–May, 1897, 15; average attendance, 41.

Annual Dues, \$4.00. No Initiation Fee required.

Publishes "Bulletin," now in the 24th volume, and "Memoirs," now in the 6th volume.

Officers for 1897 are as follows: President, Addison Brown; Vice-Presidents, T. F. Allen, Henry H. Rusby; Recording Secretary, Edward S. Burgess; Corresponding Secretary, John K. Small; Treasurer, Henry Ogden; Curator, Helen M. Ingersoll; Librarian, Wm. E. Wheelock; Editor, N. L. Britton; Associate Editors, Anna Murray Vail, Arthur Hollick, Byron D. Halsted, L. M. Underwood.

FINANCE COMMITTEE: Wm. E. Wheelock, J. I. Kane.

COMMITTEE ON ADMISSIONS: Cornelius Van Brunt, Jeannette B. Greene.

COMMITTEE ON THE LOCAL FLORA: Phanerogamia: Thos. C. Porter, N. L. Britton, H. H. Rusby. Cryptogamia: L. M. Underwood, Maria O. Le Brun, S. Ely Jelliffe. Mosses, Elizabeth G. Britton.

COMMITTEE ON LIBRARY AND HERBARIUM: The Curator, The Librarian, Eugene P. Bicknell, Marie L. Sanial.

COMMITTEE ON INSTRUCTION: H. H. Rusby, Elizabeth G. Britton, Arthur Hollick, Smith Ely Jelliffe.

FIELD COMMITTEE: John K. Small, N. L. Britton, L. G. Fay, J. H. Stotler, W. A. Bastedo.

Scientific Collections consist of an Herbarium of several thousand specimens, illustrating the Flora within 100 miles of New York, deposited at the New York College of Pharmacy. The Library is incorporated with the Botanical Library of Columbia University.

PAST PRESIDENTS: John Torrey, 1871–1873; Geo. Thurber, 1873–1880; John S. Newberry, 1880–1890; Addison Brown, 1890–1897.

THE NEW YORK MICROSCOPICAL SOCIETY.

Incorporated, 1877. Total Membership 112, divided as follows : Active 85 ; Corresponding 20 ; Honorary 7.

Meetings are held on the first and third Friday evenings of each month, from October to June, at the Mott Memorial Library, 64 Madison Avenue.

Annual meeting, the first Friday in January.

Number of Meetings held May, 1896–May, 1897, 16 ; average attendance, 25.

Annual Dues, \$5.00. Initiation Fee, \$5.00.

Publishes “ Journal of the New York Microscopical Society,” now in its 11th volume.

Officers for the year 1897 : President, Frank D. Skeel ; Vice-President, F. W. Leggett ; Recording Secretary, George E. Ashby ; Corresponding Secretary, J. L. Zabriskie ; Treasurer, James Walker ; Librarian, Ludwig Riederer ; Curator, George E. Ashby.

COMMITTEE ON ADMISSIONS : Henry C. Bennett, George H. Blake, Thomas S. Nedham, Fred’k Kato, Geo. E. Ashby.

COMMITTEE ON PUBLICATIONS : J. L. Zabriskie, H. A. Parmentier, George W. Kosmak, James Walker, Frank D. Skeel.

The Library contains about 2,000 volumes and is deposited at the place of meeting.

The Cabinet contains about 5,000 specimens.

THE LINNÆAN SOCIETY OF NEW YORK.

Organized, March 7th, 1878. Not incorporated. Total membership 209, divided as follows: Resident 169; Corresponding 38; Honorary 2.

Meetings are held at the American Museum of Natural History on the second and fourth Tuesday evenings of each month from October to May inclusive.

Annual Meeting, the first Meeting in March.

Number of Meetings held May, 1896–May, 1897, 15; average attendance, 18.

Annual Dues, \$3.00. Initiation Fee, \$2.00.

Publishes: "Transactions," two volumes issued, and "Abstract of Proceedings," eight numbers issued.

Officers for 1897–1898 are as follows: President, Frank M. Chapman; Vice-President, Jonathan Dwight, Jr.; Secretary, W. W. Granger; Treasurer, L. S. Foster.

PUBLICATION COMMITTEE: Frank M. Chapman, J. A. Allen, W. W. Granger.

FINANCE COMMITTEE: L. S. Foster, William Dutcher, W. W. Granger.

COMMITTEE ON NOMINATIONS TO MEMBERSHIP: J. A. Allen, William Dutcher, L. S. Foster, W. W. Granger.

COMMITTEE ON PAPERS: Frank M. Chapman, J. A. Allen, R. L. Ditmars, L. S. Foster, W. W. Granger.

COMMITTEE ON THE LOCAL FAUNA: L. S. Foster, J. A. Allen, L. B. Bishop, Wm. C. Braislin, Frank M. Chapman, S. H. Chubb, R. L. Ditmars, Jonathan Dwight, Jr., W. W. Granger, Frank E. Johnson, C. B. Riker, Wm. C. Rives, E. Seton Thompson, L. B. Woodruff.

COMMITTEE ON PUBLIC LECTURES: Frank M. Chapman, J. A. Allen, L. S. Foster.

The Library consists mainly of exchanges derived from publications.

PAST PRESIDENTS: C. Hart Merriam, 1878–1879; Eugene P. Bicknell, 1879–1887; Geo. B. Sennett, 1887–1889; J. A. Allen, 1889–1897.

THE NEW YORK MINERALOGICAL CLUB.

Organized, 1887. Not incorporated. Total Membership 65, not classified.

Meetings are held monthly, but no definite dates are appointed, from October to June. Field excursions are held during the summer months.

Annual Meeting in April.

Number of Meetings held May, 1896-May, 1897, 10; average attendance, about 10.

The Club held five of its meetings jointly with the Section of Geology and Mineralogy of the N. Y. Academy of Sciences.

Annual Dues, \$1.00. No Initiation Fee required.

Officers for 1897-98: President, George F. Kunz; Secretary, Daniel S. Martin; Treasurer, J. W. Freckelton.

EXECUTIVE COMMITTEE: E. R. McCarty, Ernest Schernikow, Lazard Cahn.

NOMINATING COMMITTEE: Frederick Kato, E. R. McCarty.

COMMITTEE ON EXCURSIONS: W. G. Levison, James Walker, Frederick Kato, George E. Ashby, J. A. Grenzig.

CURATORS: William Niven, Gilman S. Stanton, A. H. Ehrman.

The Club owns the B. B. Chamberlin collection of New York Island Minerals, deposited, with other strictly local specimens, in the American Museum of Natural History. Its object is particularly the study of the minerals of Manhattan Island and the vicinity, and the collection and preservation of data and material in relation thereto.

The Club, in May, 1897, appointed Mr. E. O. Hovey as a delegate to represent it at the Seventh International Geological Congress, held at St. Petersburg in August.

THE AMERICAN MATHEMATICAL SOCIETY.

Organized as the New York Mathematical Society, November 24th, 1888. Reorganized as the American Mathematical Society, July 1st, 1894. Not incorporated. Total Membership, 300, not classified. Local Members, included in this Directory, 47.

Meetings are held at 3.00 P. M., on the last Saturday of each month, from October to May inclusive, at Columbia University.

Annual Meeting, during the week between Christmas and New Year's Day.

Annual Dues, \$5.00. Initiation Fee, \$5.00.

The "Bulletin of the American Mathematical Society" is an historical and critical review of mathematical science, appearing ten times a year. It contains the proceedings of the Society. Publication begun in October, 1891.

Officers for 1897 are as follows: President, Simon Newcomb; Vice-President, R. S. Woodward; Secretary, F. N. Cole; Treasurer, Harold Jacoby; Librarian, Pomeroy Ladue.

COMMITTEE ON PUBLICATION: Thomas S. Fiske, Alexander Ziwet, Frank Morley.

OTHER MEMBERS OF THE COUNCIL: To serve until 1898, Simon Newcomb, C. A. Scott, H. S. White; To serve until 1899, E. W. Hyde, W. Woolsey Johnson, B. O. Peirce; To serve until 1900, Alfred Baker, G. W. Hill, Emory McClintock.

PAST PRESIDENTS: J. H. Van Amringe, 1888-1890; Emory McClintock, 1890-1894; G. W. Hill, 1895-1896.

NEW YORK SECTION OF THE AMERICAN CHEMICAL SOCIETY.

Organized under Charter of the Parent Society, April 29th, 1892.
Total Membership 300, divided as follows: Active 282; Associate 18.

Meetings are held on the Friday after the first Monday of October, November, December, January, February, March, April, May, and June.

Annual Meeting, the Friday after the first Monday in October.

Annual Dues for American Chemical Society, \$5.00. No Initiation Fee. No additional dues have been established for the Local Section.

Publishes "Proceedings," in the Journal of the American Chemical Society, now in its 19th volume.

Officers for the current year are: Chairman, Wm. McMurtrie; Secretary and Treasurer, Durand Woodman. These, together with A. A. Breneman, C. A. Doremus, and Albert C. Hale, constitute the Executive Committee.

The Library of the American Chemical Society is deposited with this Section.

THE NEW YORK ENTOMOLOGICAL SOCIETY.

Organized June 29, 1892. Incorporated June 7, 1893. Total Membership 122, divided as follows : Active 48 ; Corresponding 74.

Meetings are held at the American Museum of Natural History on the first and third Tuesday evenings of each month (except July and August).

Annual Dues, \$3.00 for active members. No Initiation Fee required.

Publishes "Journal of the New York Entomological Society," now in its fifth volume. Wm. Beutenmuller, Editor.

Officers for 1897 : President, Charles Palm ; Vice-President, E. G. Love ; Recording Secretary, L. H. Joutel ; Corresponding Secretary, H. G. Dyar ; Treasurer, C. F. Groth.

EXECUTIVE COMMITTEE : J. L. Zabriskie, E. G. Love, O. Dietz, H. G. Dyar, C. F. Groth.

PUBLICATION COMMITTEE : E. Daecke, Wm. Beutenmuller, L. H. Joutel, C. Schaeffer.

AUDITING COMMITTEE : E. G. Love, H. G. Dyar, J. L. Zabriskie.

FIELD COMMITTEE : L. T. Münch, C. Schaeffer.

PAST PRESIDENTS : Charles Palm, 1892 ; G. W. J. Angell, 1893 ; Wm. Beutenmuller, 1894 ; J. L. Zabriskie, 1895-96.

REPORT OF THE SECRETARY.

For the Year May, 1896 to May, 1897.

The Sixth Annual Directory was issued in July, 1896.

The Bulletins have been regularly issued about the first of each month, from October to May, inclusive, and have announced most of the papers read before the Societies, except those which have been read at meetings held toward the close of each month.

The Council has held meetings on Jan. 20th and Feb. 25th, 1897, a quorum being present at each.

The total membership of the Alliance is indicated at the end of this pamphlet.

1015 names were included in the Sixth Annual Directory.

At the meeting held on Feb. 25th, 1897, a plan for the use of interest accruing on the John Strong Newberry Fund for Original Research was adopted, and a grant of \$50.00 was made from this fund for Research in Geology and Palaeontology.

N. L. BRITTON, *Secretary.*

REPORT OF THE TREASURER.

SOCIETIES' FUND.

Receipts May 21st, 1896 to May 20th, 1897.

1896.			
May 21.	Balance from old account		\$ 38 54
Oct. 6.	From Treasurer of Mineralogical Club	\$ 36 00	
" 8.	" " " Academy of Sciences	150 00	
" 13.	" " " Linnæan Society	36 00	
" 26.	" " " Microscopical Society	48 00	
Nov. 26.	" " " Mathematical Society	30 00	
Dec. 21.	" " " Torrey Botanical Club	54 00	
1897.			
Jan. 9.	" " " Chemical Society	66 00	
" 11.	" " " Entomological Society	24 00	
May 13.	" " " Linnæan Society	36 00	
" 19.	" " " Torrey Botanical Club	54 00	
" 19.	" " " Chemical Society	66 00	600 00
			\$638 54

DISBURSEMENTS.

1896.			
Oct. 13.	Sixth Annual Directory	\$223 30	
" 13.	October Bulletin	42 87	
Nov. 6.	November Bulletin	43 61	
Dec. 8.	December " "	43 28	
" 8.	Roll Book	8 75	
1897.			
Jan. 8.	January Bulletin	43 54	
Feb. 10.	February Bulletin	46 68	
Mch. 10.	March Bulletin	46 82	
Apl. 14.	April " "	46 89	
May 13.	May " "	43 54	589 28
Balance			\$ 49 26

REPORT OF THE TREASURER. — CONTINUED.

JOHN STRONG NEWBERRY FUND.

Receipts May 21st, 1896 to May 20th, 1897.

1896.				
May 21.	Balance from old account	.	.	\$912.96
1897.				
Feb. 28.	Receipts for month as see p. 63 of			
	Cash Book	.	.	25 00
Mch. 31.	Receipts for month as see p. 63 and			
	65 of Cash book	.	.	120 00
Apr. 30.	Receipts for month as see p. 65 of			
	Cash book	.	.	35 00
May 19.	Interest to January 1st, 1897	.	.	35 12
	Balance	.	.	<u>215 12</u>
				\$1138.08

NO DISBURSEMENTS.

GENERAL FUND OF THE COUNCIL.

May 21st, 1896 to May 20th, 1897.

1896.				
May 21.	Balance from old account	.	.	\$957.36
1897.				
May 19.	Interest to January 1st, 1897	.	.	38.86
				<u>\$996 22</u>

DISBURSEMENTS.

1896.				
June 16.	Typewriting	.	.	\$ 1 75
July 8.	Postage and Stationery	.	.	2 00
Sept. 14.	Postage and Stationery, etc.			
	Pasteur Monument Fund	.	.	24 03
Oct. 13.	Typewriting	.	.	2 00
1897.				
Feb. 10.	February Bulletin Special edition	.	.	38 00
Mch. 10.	March " " "	.	.	38 00
Apl. 14.	April " " "	.	.	38 00
	Balance	.	.	<u>143 78</u>
				\$852 44

REPORT OF THE TREASURER. — CONTINUED.

RECAPITULATION.

Former Balance, Societies' Fund	.	.	.	\$ 38 54	
“ “ Newberry Fund	.	.	.	912 96	
“ “ General Fund	.	.	.	<u>957 36</u>	\$1908 86

RECEIPTS.

Societies' Fund	.	.	.	.	.	600 00	
Newberry Fund	.	.	.	.	.	215 12	
General Fund	.	.	.	.	.	<u>38 86</u>	853 98
							<u>\$2762 84</u>

DISBURSEMENTS.

Societies Fund	.	.	.	.	.	589 28	
Newberry Fund (none)	.	.	.	.	.		
General Fund	.	.	.	.	.	<u>143 78</u>	733 06
Total Balance	.	.					<u>\$2029 78</u>
Cash in Bank	.	.					\$2029 78

Correct,

E. G. LOVE,
FRANK D. SKEEL, } *Auditors.*
L. S. FOSTER,

PAPERS PRESENTED BEFORE THE SOCIETIES,

OCTOBER, 1896 TO JUNE, 1897.

- J. A. ALLEN. — Notes of a Visit to some of the Natural History Museums of Europe. Linnæan Society, Oct. 13th.
- T. F. ALLEN. — Descriptions of new Species of *Nitella* from North America and Japan. Torrey Botanical Club, Dec. 8th.
- F. C. BAKER. — On the Modification of the Apex in Gasteropod Mollusks. Academy of Sciences, May 10th.
- E. H. BARTLEY. — A rapid Method for the Estimation of Uric Acid in Urine. Chemical Society, May 7th.
- G. E. BARTON. — On the Manufacture of Dynamite. Chemical Society, April 9th.
- A. CHESTER BEATTY. — The Minerals of the Elkhorn Mine, Montana, with exhibition of specimens. Academy of Sciences, Nov. 16th.
- LYMAN A. BEST. — Protective Coloring and Mimicry among Animals. (Public Lecture). Entomological Society, April 10th.
- WM. BEUTENMULLER. — On the Habit of the Larva of *Everyx versicolor*. Entomological Society, Nov. 17th.
- Songs and Habits of North American Tree Crickets. Microscopical Society, Nov. 20th.
- Notes of a Collecting Trip in the 'Land of the Sky' in Western North Carolina. Entomological Society, Dec. 15th.
- Note on the Chrysalids of *Papilio brevicauda* and *Papilio thoas*. Entomological Society, Feb. 16th.
- Notes on some hybrid Moths. Entomological Society, April 20th.
- WOODBIDGE H. BIRCHMORE. — Some disputed Points about the Light of Carbon. Chemical Society, Oct. 9th.
- FRANZ BOAS. — The Limitations of the Comparative Method in Anthropology. Academy of Sciences, Oct. 26th.
- Personal and demonstrative Pronouns of some American Languages. Academy of Sciences, May 24th.

- MARSTON T. BOGERT. — Organic Compounds used in Medicine. First paper: Aliphatic Compounds. Chemical Society, April 9th.
Organic Compounds used in Medicine. Second Paper: Aromatic Compounds. Chemical Society, May 7th.
- HERBERT BOLTON. — The Lancashire Coal Field of England. Academy of Sciences, March 15th.
- FREDERICK BRAUN. — On some new Minerals from New York City, with exhibition of specimens. Academy of Sciences, Nov. 16th.
- C. L. BRISTOL. — The Giant Nerve-cells in *Nephelis*. Academy of Sciences, Feb. 8th.
- ELIZABETH G. BRITTON. — Contribution to the Bryology of Bolivia. Torrey Botanical Club, Dec. 8th.
Notes on some Mexican Ferns. Torrey Botanical Club, March 9th.
The Moss Flora of the Adirondack Mountains. Torrey Botanical Club, May 26th.
- N. L. BRITTON. — An undescribed *Crataegus* from Virginia and North Carolina. Torrey Botanical Club, Nov. 25th.
Description of a *Geranium* hitherto confounded with *G. Carolinianum*. Torrey Botanical Club, Dec. 8th.
Linum Virginianum and its Relatives. Torrey Botanical Club, Jan. 12th.
- ADDISON BROWN. — Notes from Connecticut. Torrey Botanical Club, Oct. 13th.
- HENRY A. BUNKER. — The Conversion of Cows' Milk into a Substitute for Human Milk. Chemical Society, Oct. 9th.
- E. S. BURGESS. — *Aster macrophyllus* and its Allies. Torrey Botanical Club, March 31st.
- CATHERINE BURNETT. — The Influence of Light on the Morphology and Anatomy of dorsiventral Organs. Torrey Botanical Club, Nov. 10th.
- G. N. CALKINS. — On the Protozoa and Coelenterates of Puget Sound and of the Alaskan Bays. Academy of Sciences, Nov. 9th.
Tetrad Formation in Plant-cells. Academy of Sciences, Feb. 8th.
- G. N. CALKINS and BASHFORD DEAN. Preliminary Report from the Columbia University Zoölogical Laboratory on Puget Sound. Academy of Sciences, Oct. 12th.

JOHN H. CASWELL. — Comments on the thin sections illustrating rock-textures and rocks, exhibited by F. C. Van Dyck. Joint meeting of Academy of Sciences, Microscopical Society and Mineralogical Club, April 23d.

J. MCK. CATTELL. — Physical and mental Measurements of Students at Columbia University. Academy of Sciences, Oct. 26th.

W. E. CHAMBERLAIN. — Historical Note on the Estimation of Fat in desiccated Products. Chemical Society, April 9th.

FRANK M. CHAPMAN. — A Little Journey in Yucatan. (Public Lecture). Linnean Society, Feb. 13th.

Notes on Birds observed in Mexico. Linnean Society, May 25th.

A. H. CHESTER. — Mineralogical Notes, with exhibition of specimens. Academy of Sciences, Nov. 16th.

WILLARD N. CLUTE. — The New York Stations for *Scolopendrium*. Torrey Botanical Club, March 9th.

H. E. CRAMPTON, JR. — Observations upon Fertilization in Gasteropods. Academy of Sciences, Jan. 11th.

The Ascidian Half-Embryo. Academy of Sciences, March 1st.

K. M. CUNNINGHAM. — A new marine Diatomaceous Deposit in Alabama. Microscopical Society, Feb. 5th.

Studies relating to the Brownian Movement. Microscopical Society, June 18th.

A Contribution to Diatom Biology. Microscopical Society, June 18th.

H. S. CURTIS. — The Advantages of long-focus Lenses in Landscape Photography. Academy of Sciences, Feb. 1st.

H. S. DAVIS. — (1) The Parallax of 61^2 Cygni as deduced from the Rutherford Photographic Measures.

(2) Catalogue of 65 Stars about 61 Cygni.

(3) Catalogue of 34 Stars about Bradley 3077. Academy of Sciences, May 3d.

(With JOHN K. REES and HAROLD JACOBY.) The variation of Latitude at New York City, and a Determination of the Constant of Aberration, from Observations at Columbia University Observatory. Academy of Sciences, May 3d.

W. T. DAVIS. — Note on the Capture of the Dog's Head Butterfly (*Colias caesonia*) on Staten Island. Entomological Society, Nov. 3d.

Intelligence shown by Caterpillars in placing their Cocoons. Entomological Society, March 2d.

BASHFORD DEAN. — On the Fishes of Puget Sound and of Monterey Bay, Cal. Academy of Sciences, Nov. 9th.

A posthumous Paper of Professor J. S. Newberry. Academy of Sciences, March 8th.

BASHFORD DEAN and G. N. CALKINS. Preliminary Report from the Columbia University Zoölogical Laboratory on Puget Sound. Academy of Sciences, Oct. 12th.

BASHFORD DEAN and F. B. SUMNER. — Notes on spawning Lampreys near Van Cortlandt Park. Academy of Sciences, May 10th.

R. L. DITMARS. — Notes on the Habits of some Trinidad Snakes, Linnaean Society, Dec. 22d.

Notes on the Rearing of Viperine Snakes in Captivity. Linnaean Society, Jan. 26th.

Spiders and their Habits. Entomological Society, April 20th.

R. E. DODGE. — Recent Work in Physiography. Academy of Sciences, Feb. 15th.

J. DOLL. — Note on *Catocala elda* and *Sisyrosea nasoni*. Entomological Society, Feb. 2d.

On some hybrid Moths and Butterflies. Entomological Society, May 18th.

C. A. DOREMUS. — Notes on a Chemist's Trip abroad. Chemical Society, Nov. 6th.

P. H. DUDLEY. — Investigations of Undulations in Railway-tracks by the author's Track-indicator, and the reduction of two-thirds of the amount in the last fifteen years, by the use of his stiff rail sections. Academy of Sciences, Feb. 1st.

Remarks on B. & L. Filar-micrometer, Rogers Stage-micrometer and Zeiss Stage-micrometer. Microscopical Society, March 19th.

JONATHAN DWIGHT, JR. — Some moulting Birds. Linnaean Society, Nov. 24th.

HARRISON G. DYAR. — On the first Stages of the Larvæ of Limacodidæ. Entomological Society, Oct. 20th.

On the Winter Fauna of Miami, Florida. Entomological Society, Feb. 2d.

Remarks on the Geological Distribution of the Eucleidæ, in relation to their past geological condition. Entomological Society, April 6th.

The Morphology of the abdominal Legs of the Megalopygidæ. Entomological Society, April 20th.

On the larval Characters of the Saw-flies. Entomological Society, May 18th.

CHARLES EARLE. — On the Relations of the Lemuroidea and Anthro-poidea. Academy of Sciences, Jan. 11th.

WALTER D. FIELD. — Mechanical Construction for Chemists. Chemical Society, April 9th.

L. S. FOSTER. — Summary of Bird Notes from Greene County, N. Y. Linnæan Society, Nov. 24th.

B. D. GILBERT. — A new *Gymnogramme* from Venezuela, with Remarks on other Venezuelan Ferns. Torrey Botanical Club, Oct. 28th.

Two new Ferns from Bolivia, with Notes on other Species. Torrey Botanical Club, Feb. 24th.

(1) New and Interesting Ferns from Bolivia. (2) Jamaica, the Fern-Lover's Paradise. Torrey Botanical Club, March 9th.

ARNOLD GRAF. — On the Properties of some new Fixing Fluids. Academy of Sciences, Dec. 14th.

B. B. GRIFFIN. — On the Mollusks, Platodes and Insects observed at Puget Sound. Academy of Sciences, Nov. 9th.

(With N. R. HARRINGTON). Notes on the Distribution, Habits, and Habitat of some Puget Sound Invertebrates. Academy of Sciences, Jan. 11th.

Chromatin Reduction in *Thallasema* and *Zirphaea*. Academy of Sciences, April 12th.

W. M. GROSVENOR, JR. — Electrolytic Production of Alkali Nitrites. Chemical Society, March 5th.

A. J. GROUT. — Notes on some American *Brachythecia*. Torrey Botanical Club, Jan. 12th.

EDWIN I. HAINES. — Birds of the Vicinity of Stamford, Delaware County, N. Y., with remarks on the summer residents. Linnæan Society, Oct. 27th.

Remarks on the Ruby-crowned Kinglet. Linnæan Society, Dec. 8th.

Notes on the White-breasted Nuthatch. Linnæan Society, Feb. 9th.

WILLIAM HALLOCK. — Science and Voice Production. Academy of Sciences, Nov. 30th.

Remarks on some simple mechanical Devices for illustrating the Polarization and interference Phenomena. Academy of Sciences, Dec. 7th.

Maximum Thermometers for the Determination of underground Temperatures. Academy of Sciences, March 1st.

Underground Temperatures, especially in the new 5,386-ft. Well, near Pittsburg, Penn. Academy of Sciences, March 1st.

An hydraulic Working Model of the Wheatstone Bridge. Academy of Sciences, May 3d.

WILLIAM HALLOCK and F. S. MUCKEY. Some peculiar Observations in the Acoustics of Articulation. Academy of Sciences, Nov. 2d.

N. R. HARRINGTON. — On the Equipment and Work of the Port Townsend Laboratory, and on the Character of the marine Fauna. Academy of Sciences, Nov. 9th.

On the Life-history of *Entoconcha*. Academy of Sciences, Jan. 11th.

(With B. B. GRIFFIN.) Notes on the Distribution, Habits and Habitat of some Puget Sound Invertebrates. Academy of Sciences, Jan. 11th.

On Nereids commensal with Hermit Crabs. Academy of Sciences, March 8th.

J. B. F. HERRESHOFF. — Modern Metallurgy of Copper. Chemical Society, Jan. 8th.

ARTHUR HOLLICK. — Geological Notes from Long Island and Block Island. Academy of Sciences, Oct. 19th.

The Clay-Marl Exposure at Cliffwood, N. J. Academy of Sciences, Jan. 18th.

A fossil *Phragmites* from Staten Island. Torrey Botanical Club, Feb. 24th.

GEORGE H. HORN. — Notes on North American Beetles. Entomological Society, Oct. 6th.

WILLIAM T. HORNADAY. — Report of a Tour of Inspection of Foreign Zoölogical Gardens. Academy of Sciences, Oct. 12th.

The Zoological Society of London and its Gardens. Linnæan Society, May 11th.

E. O. HOVEY. — On a deep Well-boring at Key West, Fla. Academy of Sciences. Nov. 16th.

MARSHALL A. HOWE. — Field Notes from California. Torrey Botanical Club, Nov. 25th.

A Preliminary Comparison of the Hepatic Flora of California with that of Europe and of the eastern United States. Torrey Botanical Club, May 11th.

GEO. S. HUNTINGTON. — Contributions to the Myology of *Lemur bruneus*. Academy of Sciences, Jan. 11th.

HARWOOD HUNTINGTON. — The Technology of Cotton Cloth. Public Lecture.) Academy of Sciences, May 28th.

J. D. HYATT. — Methods of cutting and mounting Sections of Cereals and starchy Tubers. Microscopical Society, Feb. 19th.

HELEN M. INGERSOLL. — Notes from the Palisades. Torrey Botanical Club, Oct. 13th.

A. V. WILLIAMS JACKSON. — Description of a Model of a Parsi "Tower of Silence." Academy of Sciences, Nov. 23d.

HAROLD JACOBY. — Exhibition of two Trailplates of Circumpolar Stars, made by Anders Donner at the Helsingfors Observatory. Academy of Sciences, Feb. 1st.

(With JOHN K. REES and H. S. DAVIS). The Variation of Latitude at New York City, and a Determination of the Constant of Aberration, from Observations at Columbia University Observatory. Academy of Science, May 3d.

L. H. JOUTEL. — On the Cruel Plant (*Physoanthus albens*) as an Insect-trap. Entomological Society, Oct. 20th.

On two curious leaf-like Katydid from Brazil. Entomological Society, Feb. 16th.

On the Breeding Habits of Beetles. Entomological Society, April 6th.

ALEXIS A. JULIEN. — Microscopy: its true position in the Scheme of Education. Microscopical Society, Nov. 6th.

The Sculpture and Sorting of Sands. Academy of Sciences, Feb. 15th.

Classification of Sands. Microscopical Society, March 5th.

J. F. KEMP. — On the Glacial or Post-glacial Diversion of the Bronx River from its old Channel. Academy of Sciences, Oct. 19th.

Notes on interesting Minerals collected during the Summer of 1896. Academy of Sciences, Nov. 16th.

Notes on the Geology of the trail from Red Rock, Montana, to and beyond Leesburg, Idaho. Academy of Sciences, May 17th.

Notes on Butte, Montana, and its Ore Deposits. Academy of Sciences, May 17th.

AUG. E. KNORR. — Brief Notice of a modified Method of fine Silver Assay. Chemical Society, April 9th.

Some useful Forms of Laboratory Apparatus. Chemical Society, April 9th.

G. F. KUNZ. — (a) A new Meteorite from Guatemala; (b) Mineralogical Notes, with exhibition of specimens. Academy of Sciences, Nov. 16th.

A. R. LEEDS. — Exhibition of Appliances for Quantitative Estimation of Micro-organisms. Chemical Society, Dec. 11th.

E. J. LEDERLE. — The Chemistry of the Sanitary Control of City Milk Supplies. Chemical Society, March 5th.

WILLIAM LIBBEY. — Four Months in the Sierra Madre of Mexico. (Public Lecture.) Linnæan Society, Jan. 14th.

L. H. LIGHTHIPE. — Notes from Florida. Torrey Botanical Club, Oct. 13th.

FRANCIS E. LLOYD. — Some interesting Trees of Oregon. Torrey Botanical Club, Nov. 11th.

On the Mechanisms in certain boring Lamellibranch Molluscs. Academy of Sciences, April 12th.

E. G. LOVE. — The Study of Insects: their Structure and Transformations. (Public Lecture.) Entomological Society, April 24th.

The Use of Polarized Light in Microscopy. Microscopical Society, Jan. 15th.

J. H. LOVELL. — Cleistogamy in *Dalibarda repens*. Torrey Botanical Club, Oct. 28th.

J. H. MCGREGOR. — Description of a late Embryo of *Cryptobranchus alleghaniensis*, the first that has hitherto been recorded. Academy of Sciences, Dec. 14th.

The Formation of the Spermatozoa in *Amphiuma*. Academy of Sciences, April 12th.

P. C. MCILHENY. — A preliminary Note on the Color of X-ray Fluorescence. Academy of Sciences, Nov. 2d.

C. F. MCKENNA. — On the Estimation of Carbon Dioxide associated with Sulphur Dioxide in the Binary Liquid. Chemical Society, April 9th.

WILLIAM MCMURTRIE. — Notes on a useful Burette Float. Chemical Society, April 9th.

D. S. MARTIN. — Insect Inclusions in fossil Resins. Entomological Society, May 4th.

J. A. MATTHEWS. — (With E. H. MILLER.) The Ferrocyanides of Zinc and Manganese. Chemical Society, May 7th.

C. F. A. MEISEL. — Some Remarks on the Composition of Beet Sugar Ash. Chemical Society, March 5th.

E. H. MILLER. — (With J. A. MATTHEWS.) The Ferrocyanides of Zinc and Manganese. Chemical Society, May 7th.

HENRY MORTON. — Some Illustrations of the Phenomena of Fluorescence. Chemical Society, Dec. 11th.

F. S. MUCKEY. — (With WM. HALLOCK.) Some peculiar Observations in the Acoustics of Articulation. Academy of Sciences, Nov. 2d.

A. J. MOSES. — Exhibition of recent Accessions of Mineralogical Instruments, with comments. Academy of Sciences, Nov. 16th.

GEO. V. NASH. — New and noteworthy American Grasses. Torrey Botanical Club, Jan. 27th.

HERBERT NEHER. — Notes on B. & L. Eyepiece micrometer. Microscopical Society, March 19th.

D. H. NEWLAND. — On the Eclogites of Bavaria. Academy of Sciences, Oct. 19th.

On the Occurrence and Origin of the Serpentine near New York. Academy of Sciences, May 17th.

- F. C. NICHOLAS. — The Tertiary Valleys and Mountains of Eastern Colombia, S. A. Academy of Sciences, Dec. 21st.
 Explorations in the Gold Fields of Western Colombia. Academy of Sciences, Feb. 15th.
- WILLIAM NIVEN. — Recent Archæological Explorations in the State of Guerrero, Mexico. (Public Lecture). Academy of Sciences, April 30th.
- G. R. O'REILLY. — How Snakes find their Prey. Linnæan Society, Jan. 26th.
 Snake-hunting in the Orinoco Delta. Linnæan Society, March 9th.
- HENRY F. OSBORN. — Report on the American Museum Expedition to the Puerco and Wasatch Beds. Academy of Sciences, Oct. 12th.
 Notes on Mammalian Palæontology. Academy of Sciences, April 12th.
- CHARLES PALM. — Remarks on a Collection of Insects made by Dr. Richard Kunze in Arizona. Entomological Society, Oct. 6th.
- H. C. PARKER. — A universal Method of Measuring the Electrical Current. Academy of Sciences, Dec. 7th.
- C. CHAUNCEY PARSONS. — Method of Drying sensitive organic Substances. Chemical Society, March 5th.
- THOMAS R. PRICE. — Pope's System of Caesura. Academy of Sciences, May 24th.
 The constructive Plan of Ibsen's Catiline. Academy of Sciences, March 22d.
- W. C. PRIME. — On the Insect Fauna of southern Florida. Entomological Society, May 18th.
- THOMAS PROCTOR. — The Nightingale and the Mockingbird, the chief Songsters of the Old World and the New respectively. Linnæan Society, April 27th.
- H. G. PROUT. — The Egyptian Soudan, its recent History and the Campaign of 1896. (Public Lecture), Academy of Sciences, Jan. 29th.
- H. M. RICHARDS. — On some of the Reactions of Plants toward Injury. Torrey Botanical Club, Feb. 24th.

H. RIES. — Mineralogical Notes. Academy of Sciences, March 15th.

J. K. REES. — The November Meteoric Shower. Academy of Sciences, Dec. 7th.

The Discovery and Care of the Minor Planets. (Public Lecture). Academy of Sciences, March 29th.

(a) The Lick Observatory Map of the Moon — Exhibition of plates 1 to 5, inclusive.

(b) Drawings made at the Lowell Observatory, City of Mexico, of Mercury, Venus and Mars, and of the third Satellite of Jupiter. Academy of Sciences, May 3d.

(With HAROLD JACOBY AND H. S. DAVIS.) — The Variation of Latitude at New York City, and a Determination of the Constant of Aberration, from Observations at Columbia University Observatory. Academy of Sciences, May 3d.

AUGUSTE J. ROSSI. — Titanium and some of its Compounds. Chemical Society, May 7th.

H. H. RUSBY. — Notes from Venezuela. Torrey Botanical Club, Oct. 13th.

A new Genus from Bolivia. Torrey Botanical Club, Oct. 28th.

Botany at the Pan-American Medical Congress, held in the City of Mexico, November, 1896. Torrey Botanical Club, Dec. 8th.

Remarks on some Solanaceæ. Torrey Botanical Club, Jan. 27th.

P. A. RYDBERG. — Botanizing in the Crazy Mountains, Montana. Torrey Botanical Club, Nov. 25th.

Floral Features of Western Nebraska. Torrey Botanical Club, April 28th.

ALBERT SCHNEIDER. — The Phenomena of Symbiosis. Torrey Botanical Club, March 31st.

Methods employed in the Examination of Powdered Drugs and their Adulterants. Torrey Botanical Club, April 13th.

H. C. SHERMAN. — Interpretation of Starch Determinations. Chemical Society, April 9th.

WILLIAM L. SHERWOOD. — The Frogs and Toads of the Vicinity of New York City. Linnæan Society, April 13th.

HENRY A. SIEBRECHT. — Orchids, their Habitat, manner of Collecting and Cultivation. Torrey Botanical Club, Feb. 9th.

J. K. SMALL. — Notes from the Southern Alleghanies. Torrey Botanical Club, Oct. 13th.

Abnormal Inflorescence in *Saxifraga fallax*. Torrey Botanical Club, Nov. 25th.

Aster gracilis Nuttall. Torrey Botanical Club, Jan. 27th.

(1) *Trillium sessile* and its Allies. (2) Notes on Onagraceæ. Torrey Botanical Club, April 28th.

D. W. SMITH. — Notes on a simple Machine for Micrometer Rulings. Microscopical Society, May 21th.

EUGENE SMITH. — The Fishes of the fresh and brackish Waters of the Vicinity of New York City. Linnæan Society, Feb. 23d.

The Fishes of the fresh and brackish Waters of the Vicinity of New York City. Second Paper. Linnæan Society, March 23d.

G. L. SPENCER. — Note on the Determination of Caffeine. Chemical Society, Jan. 8th.

E. R. SQUIBB. — Volumetric Determination of Acetone. Chemical Society, Nov. 6th.

Note on an improved Specific Gravity Bottle for Liquids, with illustrations. Chemical Society, Jan. 8th.

W. LECONTE STEVENS. — The Limitations of Microscopic Vision. Microscopical Society, April 2d.

J. J. STEVENSON. — Notes on the Geology of the Bermuda Islands. Academy of Sciences, Jan. 18th.

A Talk on Coal. (Public Lecture). Academy of Sciences, Feb. 26th.

GEO. C. STONE. — The Ferrocyanides of Manganese and Zinc. Chemical Society, May 7th.

F. B. SUMNER. — A suggestive Condition in the marginal Periblast in *Ctenolabrus*. Academy of Sciences, Jan. 11th.

(With BASHFORD DEAN). Notes on spawning Lampreys near Van Cortlandt Park. Academy of Sciences, May 10th.

HENRY A. TODD. — The Epithet Magnus, as applied to Albert the Great (Albertus Magnus). Academy of Sciences, Nov. 23d.

C. C. TROWBRIDGE. — A new Research Fluoroscope. Academy of Sciences, Nov. 2d.

A. A. TYLER. — The Origin and Functions of Stipules. Torrey Botanical Club, Jan. 27th.

Studies on the Origin and Nature of Stipules. Academy of Sciences, Feb. 8th.

L. M. UNDERWOOD. — Notes on Japanese Ferns. Torrey Botanical Club, April 28th.

F. C. VAN DYCK. — Projections of microscopic Sections of Rocks with polarized Light, by means of an improved attachment for the arc-light lantern. (With J. H. CASWELL.) Joint meeting of Academy of Sciences, Microscopical Society and Mineralogical Club, April 23d.

JUAN VILARÓ. — Remarks on Hybrids between the Common Cock and the Guinea Fowl, with an exhibition of specimens. Linnaean Society, Jan. 12th.

GUSTAV VOLKENNING. — Novel mechanical Arrangement of Fat Extraction Apparatus. Chemical Society, May 7th.

E. R. VON NARDROFF. — A simple Method of Measuring the focal Length and angular Aperture of Microscope Objectives. Microscopical Society, May 7th.

J. H. WAINWRIGHT. — Note on the volumetric Estimation of Lead. Chemical Society, March 5th.

F. M. WEBSTER. — Tenacity of Life in Adults of *Cryptorhynchus lapathi*. Entomological Society, Nov. 3d.

The protective Value of Action, volitional or otherwise, in Protective Mimicry. Entomological Society, March 16th.

STUART WELLER. — The Batesville Sandstone of Arkansas. (Abstract by Gilbert van Ingen). Academy of Sciences, March 15th.

J. B. WHEELER. — Some early Maps of Athens. Academy of Sciences, March 22d.

T. G. WHITE. — The Quincy Granite Area, near Boston, Mass. Academy of Sciences, Dec. 21st.

H. W. WILEY. — The Value of Foods and the Methods of Ascertaining it. Chemical Society, Feb. 5th.

DURAND WOODMAN, — Note on Composition of commercial Red Lead. Chemical Society, Nov. 6th.

Variations in the Composition of Red Lead. Chemical Society, Jan. 8th.

- E. O. WOOTON. — Remarks on some of the rarer Plants of New Mexico. Torrey Botanical Club, Feb. 24th.
- J. L. WORTMAN. — The *Ganodonta*, a new Sub-order of Ancestral Eden-
tates, from the basal Eocene of New Mexico. Academy of
Sciences, Dec. 14th.
Life in the Nacimiento Desert of New Mexico. (Public Lecture).
Linnæan Society, March 11th.
- GILLETTE WYNKOOP. — Quantitative Separations with Sodium Nitrite.
Chemical Society, March 5th.
- JOHN H. YOCUM. — The Methods for Determination of Tannin. Chemical
Society, Jan. 8th.
- J. L. ZABRISKIE. — The Structure of the Musical Rasp of the Tree
Crickets (*Æcanthus*). Microscopical Society, Nov. 20th.

NOTE: The letters following the address indicate membership in the Societies of the Alliance, viz. — "A" New York Academy of Sciences; "B" Torrey Botanical Club; "C" New York Section of the American Chemical Society; "E" New York Entomological Society; "L" Linnean Society of New York; "M" New York Microscopical Society; "Ma" American Mathematical Society; "Mi" New York Mineralogical Club.

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DAL MOLIN, A. A., 30 East 18th St.	C
DALY, HON. CHAS. P., LL.D., 84 Clinton Place	A, L
DAMON, W. E., 13 Union Square	M
DAVIDSON, GEORGE, 28 Woodbine St., Brooklyn, N. Y.	C
DAVIES, WILLIAM G., 34 Nassau St.	A

DAVIS, J. WOODBRIDGE, PH. D., 417 Madison Ave.	A, Ma
DEAN, PROF. BASHFORD, PH. D., Columbia University	A
DEBERMINGHAM, JOSÉ M., M. D., 655 Lexington Ave.	M
DEFREMERY, J. L., 44 Broadway	C
DEGHUÉE, J. A., PH. D., 247 Harrison St., Brooklyn, N. Y.	C
DELAFIELD, MATURIN L., JR., Fieldston, Riverdale	B
DEMCKER, ROBERT, Unionport, N. Y.	B
DENISON, C. H., 97 Front St.	Mi
DENNETT, WM. S., M. D., 8 East 49th St.	A, Ma
DENTON, E. S., West Point, N. Y.	Mi
DE ROODE, RUDOLPH J. J., 262 Fifth Ave.	C
DEVEREUX, WALTER B., Hotel San Remo	A
DE VINNE, THEODORE L., 300 West 76th St.	L
DEVUE, FREDERICK W., 101 Fulton St.	M
DEWITT, WILLIAM G., 88 Nassau St.	M
DICKERSON, EDWARD N., 64 East 34th St.	A, C
DIETERICH, CHARLES F., 45 Broadway	L
DIETZ, OTTOMAR, 23 Park Row	E
DITMARS, RAYMOND L., Am. Mus. Nat. History	E, L
DITTENHOEFER, A. J., 96 Broadway, Room 140	A
DIX, REV. MORGAN, S. T. D., 27 West 25th St.	A
DODGE, CLEVELAND H., 11 Cliff St.	L
DODGE, F. E., 316 Bowne Ave., Flushing, N. Y.	C
DODGE, PROF. R. E., Teachers' College	A
DODGE, WILLIAM E., 262 Madison Ave.	A, L
DOERFLINGER, WILLIAM F., 85 Lafayette Ave., Brooklyn, N. Y.	C
DOLL, JACOB, 151 Stanhope St., Brooklyn, N. Y.	E
DONALD, JAMES M., 11 Nassau St.	A
DONNER, J. O., North 3d and 1st Sts., Brooklyn, N. Y.	C
DOREMUS, PROF. CHAS. A., PH. D., 59 West 51st St.	A, C
DOREMUS, PROF. R. OGDEN, M. D., 241 Madison Ave.	A
DORR, JOHN VAN NOSTRAND, Deadwood, South Dakota	C
DOSCHER, HENRY, 142 Ross St., Brooklyn, N. Y.	C
DOUGHTY, MRS. ALLA, 254 West 57th St.	B
DOUGLAS, JAMES, 99 John St.	A
DOUGLAS, O. B., M. D., 123 East 36th St.	L
DOUGLAS, ALFRED, 1 West 46th St.	M

DOUGLASS, ANDREW E., 9 East 54th St.	A, L
DRIESSEN, P. AUG., P. O. Box 2833, N. Y. City	C
DRUMM, MISS S. LE B., 57th St. and Seventh Ave.	B
DRUMMOND, ISAAC W., M. D., 436 West 22d St.	A, C
DUDLEY, C. B., Altoona, Penn.	C
DUDLEY, HENRY, 56 West 57th St.	A
DUDLEY, P. H., 80 Pine St.	A, M
DUN, R. G., 314 Broadway	L
DUNHAM, EDWARD K., M. D., 338 East 26th St.	A, C
DUNHAM, MRS. MARY, Irvington, N. Y.	B
DUNLAP, ROBERT, 111 West 72d St.	L
DUTCHER, WILLIAM, 66 Broadway	L
DuVIVIER, CHAS. L., 22 Warren St.	M
DuVIVIER, GEO. R., 22 Warren St.	M
DWIGHT, JONATHAN, JR., M. D., 2 East 34th St.	A, L
DYAR, HARRISON G., PH. D., Care N. Y. Entomological Society	A, E
DYCKMAN, I. M., 15 East 71st St.	A
EACHUS, CHARLES, 30 Ferry St.	C
EAMES, EDWIN H., M. D., 350 State St., Bridgeport, Conn.	B
EASTMAN, ROBERT W., M. D., 170 West 78th St.	L
ECCLES, ROBERT G., M. D., 191 Dean St., Brooklyn, N. Y.	B, C
ECKMAN, REV. A. P., 214 East 25th St.	B
EDGAR, MISS MARY, 32 West 38th St.	B
EDGAR, NEWBOLD, 28 East 39th St.	L
EDMONDSON, PROF. T. W., University Heights,	Ma
EDWARDS, ARTHUR M., M. D., 11 Washington St., Newark, N. J.	B
EGLESTON, PROF. THOMAS, PH. D., 35 Washington Square, W.	A
EHRENBERG, FREDERICK, 50 East 125th St.	B
EHRLMAN, A. H., 312 Decatur St., Brooklyn, N. Y.	Mi
EIMER, AUGUST, 205 Third Ave.	C
EISNER, M. H., 120 East 27th St.	Mi
ELBREG, ARTHUR G., 273 West 136th St.	M
ELDER, MISS HARRIET B., Barnard College	B
ELLIOT, DANIEL G., F. R. S. E., Columbian Museum, Chicago, Ills.	L
ELLIOTT, PROF. A. H., PH. D., 4 Irving Place	A
ELLSWORTH, WILLIAM, 16 Lafayette Ave., Brooklyn, N. Y.	L
EMMONS, STEPHEN, 1 Broadway	C
ENDEMANN, HERMANN, PH. D., 27 William St.	C

ENEQUIST, JOHN, 502 Clinton Ave., Brooklyn, N. Y.	C
ENGLISH, GEORGE L., 64 East 12th St.	A, Mi
ERICSON, CHARLES, 516 Manhattan Ave.	B
EVANS, EVAN M., M. D., Englewood, N. J.	L
EVANS, THOMAS, PH. D., 44 Cedar St.	C
EWING, MISS OLIVE M., Long Branch City, N. J.	B
EYERMAN, JOHN, Easton, Penn.	A
FAIR, HENRY D. M., Sing Sing, N. Y.	Mi
FARGO, JAMES C., 56 Park Ave.	A
FARLEY, MISS MARY, 751 East 143d St.	B
FARRAR, JOHN N., M. D., 1271 Broadway	A
FARRAND, LIVINGSTON, Columbia University	A
FARRINGTON, MISS RACHEL W., Lakewood, N. J.	B
FARWELL, OLIVER A., Detroit, Mich.	B
FAULKNER, CHARLES S., 48 East 22d St.	L
FAY, L. G., Englewood, N. J.	B
FAYEN, EMIL E., 49 Franklin St., Astoria, N. Y.	E
FERGUSON, H. B., M. D., College of Pharmacy	B
FERGUSON, W. C., 40 N. Parsons Ave., Flushing, N. Y.	C
FIELD, C. DEPEYSTER, 21 East 26th St.	A
FIELD, WALTER D., 4 West 134th St.	C
FILLION, PROF. FRANCIS, 101 Greene St.	E
FISHER, EDWARD D., M. D., 42 West 45th St.	M
FISKE, PROF. THOMAS S., PH. D., Columbia University	A, Ma
FITZGERALD, MRS. LOUIS, 253 Lexington Ave.	B
FITZPATRICK, CHARLES J., 28 North Moore St.	Mi
FITZ-RANDOLPH, RAYMOND B., Hoagland Laboratory, Brooklyn, N. Y.	C
FLEMMING, D. D., 249 Washington St., Jersey City, N. J.	M
FLEMMING, ROBERT L., 76 Montgomery St., Jersey City, N. J.	A
FLOYD-JONES, COL. DELANCEY, Union Club	B
FORD, JAMES B., 507 Fifth Ave.	A
FOSTER, MISS E. A., 117 West 90th St.	L
FOSTER, L. S., 33 Pine St.	A, L
FOSTER, SCOTT, 332 West 72d St.	A
FRANK, J. W., 734 East 14th St.	C
FRANKLAND, F. W., 346 Broadway	Ma
FRASER, HORATIO W., 262 Fifth Ave.	M
FRECKELTON, J. W., 169 Monroe St., Brooklyn, N. Y.	Mi

FREEBORN, GEORGE C., M. D., 215 West 70th St.	A
FREEDMAN, W. H., 157 West 119th St.	Ma
FRENCH, SAMUEL A., 154 West 76th St.	L
FRICK, JOHN, 8 Liberty Place	Mi
FRIEDRICH, JAMES J., M. D., 131 East 52d St.	Mi
FRIES, HAROLD H., PH. D., 92 Reade St.	C
FRISSELL, A. S., 530 Fifth Ave.	A
FRIZELL, A. B., New York University	Ma
FRY, T. M., 154 West 98th St.	B
FULLAM, FRANK W., cor. Gold and John Sts., Brooklyn, N. Y.	C
FULLER, ROBT. M., M. D., 136 West 42d St.	M
FURGUSON, GEORGE A., College of Pharmacy	C
GADE, HENRY, 349 Broome St.	L
GALLATIN, FREDERICK, 670 Fifth Ave.	A
GALLATIN, J. N., 58 West 55th St.	E
GARRETSON, FRANCIS T., 26 Broad St.	A
GEISLER, JOSEPH F., 6 Harrison St.	C
GERBER, E., 147 Chambers St.	M
GEYER, W. E., PH. D., Stevens Institute, Hoboken, N. J.	C
GIBBONS, MISS CONSTANCE, 1 West 81st St.	A
GIBBS, THEODORE K., 146 Broadway	L
GIBBS, MRS. VIRGINIA B., 62 West 21st St.	M
GIBIER, PAUL, M. D., 5 West 97th St.	A
GIDDINGS, PROF. F. H., Columbia University	A
GILBERT, B. D., Clayville, N. Y.	B
GILLET, LOUIS B., 131 East 76th St.	L
GILMAN, G. H., 71 Wall St.	Ma
GILMAN, THOMAS P., Palisades, N. Y.	B
GODKIN, E. L., 36 West 10th St.	A, L
GOLDSCHMIDT, S. A., PH. D., 43 Sedgwick St., Brooklyn, N. Y.	C
GOODRIDGE, EDWIN A., M. D., 63 Jamaica Ave., Flushing, N. Y.	C, L
GORDON, ALEXANDER, 44 Montgomery St., Jersey City, N. J.	C
GORDON, REGINALD, PH. D., Columbia University	A
GOULD, EDWIN, Dobbs Ferry, N. Y.	A
GOULD, FRANK J., Irvington, N. Y.	A
GOULD, GEORGE J., 1 East 47 St.	A
GOULD, HELEN M., Irvington, N. Y.	A

GOGLEY, J. W. S., M. D., 11 East 43d St.	A
GRANGER, WALTER W., Am. Mus. Nat. History	L
GRATACAP, LOUIS P., Am. Mus. Nat. History	Mi
GRAVES, GEORGE H., Bridgeport, Conn.	C
GRAVES, JAMES A., Susquehanna, Penn.	B
GREACEN, THOMAS E., 65 West 48th St.	A
GREEN, HON. ANDREW H., 214 Broadway	A
GREEN, FREDERICK V., Nyack, N. Y.	Mi
GREENE, MISS JEANETTE B., M. D., 139 West 41st St.	A, B
GREENWOOD, ISAAC J., 171 West End Ave.	L
GREGG, WILLIAM H., M. D., Port Chester, N. Y.	L
GREGORY, J. C., Nyack-on-Hudson, N. Y.	Mi, M
GRENZIG, J. A., 25 Starr St., Brooklyn, N. Y.	Mi
GRIFFITHS, MISS IDA, 314 West 82d St.	Ma
GROSVENOR, W. M., JR., P. O. Box 183, Englewood, N. J.	C
GROTH, CHRISTIAN F., 139 East 40th St.	E
GROUT, A. J., Columbia University	B
GUSTIN, G. H., 216 Murray St., Elizabeth, N. J.	C
HAAS, REV. G. C. F., 64 East 7th St.	M
HABIRSHAW, W. M., Yonkers, N. Y.	C
HADDEN, ALEXANDER, M. D., 155 East 51st St.	L
HAHN, A. G. C., Nepera Park, N. Y.	C
HAIGH, DELAGNEL, 44 Broadway	C
HAINES, EDWIN I., New Rochelle, N. Y.	L
HALE, PROF. ALBERT C. 551 Putnam Ave., Brooklyn, N. Y.	C
HALL, PROF. ROBERT W., University Laboratory, University Heights	A, C
HALLOCK, A. P., PH. D., 440 First Ave.	C
HALLOCK, PROF. WILLIAM, 213 West 135th St.	A
HALSTED, PROF. BYRON D., New Brunswick, N. J.	B
HAMES, HENRY F., 15 Wall St.	A
HAMILTON, MISS ANNIE E., Baldwins, N. Y.	B
HAND, DANIEL, 63 East Park St., Newark, N. J.	C
HARD, JAMES M. B., 107 Wall St.	M
HARRIS, FRANCIS M., 9 Beekman St.	L
HARRIS, WILLIAM C., 385 Broadway	L
HARTMANN, JACOB, M. D., 267 West 36th St.	L
HARVEY, C. A., M. D., 816 Broadway	Mi

HASCALL, MRS. VIRGINIA K., 110 East 16th St.	A
HASLWANTER, CHARLES, 159 Front St.	C
HAVARD, VALERY, M. D., Fort Slocum, New Rochelle, N. Y.	B
HAVELL, G. H., 263 Eighteenth St., Brooklyn, N. Y.	E
HAVEMEYER, H. O., 117 Wall St.	C
HAVEMEYER, H. O., JR., 244 Madison Ave.	L
HAVEMEYER, J. C., Yonkers, N. Y.	L
HAVEMEYER, WILLIAM F., 29 West 19th St.	A
HAYNES, A. E., 81 New St.	L
HAYS, JOSEPH A., 147 South 18th St., Pittsburgh, Penn.	B, M
HAZARD, R. G., Peacedale, R. I.	L
HAZEN, ALLEN, 220 Broadway	C
HEINEMAN, HENRY N., M. D., 3 East 14th St.	A
HELLER, A. A., Minneapolis, Minn.	B
HELLER, MISS L. R., 115 East 82d St.	B
HELLER MAX, 76 East 90th St.	A
HELM, STEPHEN, 628 Columbus Ave.	M
HENGSTLER, LOUIS, JR., Hoboken, N. J.	C
HENSHAW, SAMUEL, New York Botanical Garden, Bronx Park	B
HERING, PROF. DANIEL W., University Heights	A
HERITAGE, B., Mickleton, N. J.	B
HERRESHOFF, J. B. F., 19 Pierrepont St., Brooklyn, N. Y.	C
HERRICK, HAROLD, 135 Broadway	L
HERRICK, WILLIAM H., 270 Greenwich St.	C
HERRMAN, MRS. ESTHER, 59 West 56th St.	A, L, Mi
HERTER, C. A., M. D., 839 Madison Ave.	A
HEWITT, HON. ABRAM S., LL. D., 9 Lexington Ave	A
HEWITT, EDWARD R., 119 East 18th St.	C
HEWSON, JAMES H., 872 Broad St., Newark, N. J.	C
HEYLYN, MRS. EDWARD, Pentre-Heylyn Lodge, Manchester, Conn.	B
HICKS, EDWIN F., 52 Beaver St.	C
HILL, GEORGE W., LL. D., West Nyack, N. Y.	Ma
HILL, HIBBERT, Rockville Centre, N. Y.	C
HILL, J. E., Columbia University	Ma
HILLS, FRANK G., 240 Albany Ave., Brooklyn, N. Y.	B
HINTON, JOHN H., M. D., 41 West 32d St.	A
HITCHCOCK, MISS F. R. M., 300 William St., East Orange, N. J.	A, B, C, Mi

HODGES, H. B., Long Island City, N. Y.	C
HOE, HENRY, 91 John St.	A
HOFFMAN, REV. E. A., D. D., 1 Chelsea Square	A
HOLDEN, E. R., 13 East 79th St.	L
HOLLADAY, PROF. WALLER, Cooper Institute	Ma
HOLLICK, ARTHUR, PH. D., Columbia University	A, B
HOLMES, W., 469 Summer Ave., Newark, N. J.	B
HOLT, HENRY, 27 West 23d St.	A, L
HOMER, C. S., JR., 57 Broadway	C
HOOPER, PROF. FRANKLIN W., 71 St. James Place, Brooklyn, N. Y.	A
HOPPING, ROY, 123 Liberty St.	Mi
HORNADAY, WILLIAM T., 69 Wall St.	A
HORNE, WILLIAM D., Yonkers, N. Y.	C
HOVEY, E. O., Am. Mus. Nat. History	Mi
HOWARD, CLARENCE C., M. D., 57 West 51st St.	B
HOWE, ERNEST, 223 Durfee Hall, New Haven, Conn.	B
HOWE, M. A., Columbia University	B
HOWELL, THEODORE D., 1 West 72d St.	L
HOYT, ALFRED M., 1 Broadway	A
HUBBARD, PROF. O. P., M. D., 123 West 55th St.	A
HUBBARD, WALTER C., Room 25, Cotton Exchange	A, M
HUG, HERMAN, 345 West 13th St.	E
HULST, REV. GEORGE D., 15 Himrod St., Brooklyn, N. Y.	B
HUMASON, H. A., M. D., 42 West 76th St.	A
HUNT, JOSEPH H., M. D., 165 Quincy St., Brooklyn, N. Y.	B, Mi
HUNTINGTON, PROF. GEORGE S., M. D., 50 East 73d St.	A
HUNTINGTON, HARWOOD, M. D., 159 Front St.	C
HUNTINGTON, S. V. V., 69 East 78th St.	C
HUNZIKER, AUGUST, M. D., Paterson, N. J.	C
HYATT, J. D., 69 Burling Lane, New Rochelle, N. Y.	M
HYDE, B. TALBOT B., 20 West 53d St.	L
HYDE, E. FRANCIS, 835 Fifth Ave.	A, L
HYDE, FREDERICK E., M. D., 20 West 53d St.	A, L
HYDE, FREDERICK E., JR., 20 West 53d St.	L
HYDE, FREDERICK S., 40 Clinton St., Brooklyn, N. Y.	C
HYDE, HENRY ST. J., 210 East 18th St.	A, C
ILES, GEORGE, 5 Brunswick St., Montreal, Canada	A

INGERSOLL, MISS HELEN M., 788 Broadway	B
IRELAND, JOHN B., 170 Broadway	A, L
IRVING, JOHN, 550 Park Ave.	L
IRVING, JOHN DUER, Columbia University	Mi
ISAACS, MISS ALICE M., 110 East 73d St.	B
ISHAM, C. BRADLEY, 123 East 37th St.	L
IVISON, DAVID B., University Building, Washington Square E.	L
JACKSON, PROF. A. V. WILLIAMS, Columbia University	A
JACOBI, ABRAHAM, M. D., 110 West 34th St.	A
JACOBUS, PROF. D. S., Stevens Institute, Hoboken, N. J.	Ma
JACOBY, PROF. HAROLD, Columbia University	A, Ma
JAGGERS, MISS MARGARET, 18 West 55th St.	E
JAMES, D. WILLIS, 40 East 39th St.	A
JELLIFFE, PROF. S. ELY, M. D., College of Pharmacy	B
JESUP, MORRIS K., 197 Madison Ave.	A
JESURUN, MORTIMER, M. D., Douglas, Wyoming	L
JOFFE, S. A., Columbia University	Ma
JOHNS, JOHN, 306 Toone St., Baltimore, Md.	C
JOHNSON, ALEXANDER B., M. D., 12 West 10th St.	L
JOHNSON, EMIL F., 96 Maiden Lane	C
JOHNSON, FRANK E., Yonkers, N. Y.	L
JOHNSON, S. W., M. D., 54 Trumbull St., New Haven, Conn.	C
JONES, MISS BEATRICE, 21 East 11th St.	B
JONES, C. N., 127 West 58th St.	A, Ma
JONES, WALTER M., 60 West 94th St.	L
JOUTEL, LOUIS H., 164 East 117th St.	E
JULIEN, ALEXIS A., Ph. D., Columbia University	A, M
JULIEN, MISS FANNIE, 964 Lexington Ave.	B
KANE, J. I., 49 West 23d St.	B
KANE, S. NICHOLSON, Knickerbocker Club	A, L
KATO, FREDERICK, 236 Baldwin Ave., Jersey City, N. J.	Mi, M
KEAN, MRS. HAMILTON, 25 East 37th St.	B
KEARNEY, T. H., JR., U. S. Dept. of Agric., Washington, D. C.	B
KEATOR, CHARLES E., Nostrand and Park Aves., Brooklyn, N. Y.	C
KELLOGG, MISS E. H., 36 East 39th St., Bayonne, N. J.	B
KELSEY, JAMES A., Rutgers College, New Brunswick, N. J.	B
KEMP, PROF. JAMES F., 211 West 139th St.	A

KEMPER, L. SCOTT, 238 West 11th St.	L
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KENDALL, MRS. E. DWIGHT, Sewaren, N. J.	B
KENDIG, REV. A. B., 2190 Seventh Ave.	L
KENT, WALTER H., PH. D., 300 Washington St., Brooklyn, N. Y.	C
KEPPLER, RUDOLPH, 28 West 70th St.	L
KEVAN, WILLIAM, 20 West 22d St.	L
KEYSER, SAMUEL K., 14 East 36th St.	A
KIESSIG, C. H., 4 Gold St.	C
KING, F. T., Columbia Heights, Brooklyn, N. Y.	C
KIRBY, MRS. CHARLES M., Jamaica, N. Y.	B
KIRSCH, LOUIS, 161 Roebling St., Brooklyn, N. Y.	Mi
KNEER, FERDINAND G., 236 West 51st St.	Mi
KNÜPFER, MISS LAURA H., 887 Jackson Ave.	B
KOSMAK, GEORGE W., 23 East 93d St.	M
KOUNTZE LUTHER, 120 Broadway	A
KRASKE, NICHOLAS, M. D., 72 Delancey St.	C
KRAUSE, O. H., PH. D., Prospect Ave., Hackensack, N. J.	C
KRAUSI, WM. J., M. D., 216 East 17th St.	M
KREIZER, CHARLES P., M. D., 333 West 34th St.	L
KÜCHLER, F., 12 East 131st St.	E
KUDLICH, H. F., M. D., 56 West 17th St.	E
KUNTZE, PROF. DR. OTTO, Villa Girola, San Remo, Italy	B
KUNZ, GEORGE F., 15 Union Square	A, M, Mi
KUTTROFF, ADOLPH, 128 Duane St.	C
LABONDE, LEON, M. D., 75 Washington Ave., Newark, N. J.	C
LADUE, PROF. POMEROY, New York University	Ma
LA FARGE, BANCEL, 51 West 10th St.	L
LAGAI, G., PH. D., 17 Park Place	C
LAMB, OSBORN R., 356 West 22d St.	A
LANDER, BENJAMIN, Nyack-on Hudson, N. Y.	Mi
LANGDON, WOODBURY G., 719 Fifth Ave.	L
LANGE, F., M. D., 130 East 61st St.	L
LANGE, J. D., 220 West 79th St.	L
LANGMANN, G., M. D., 121 West 57th St.	B, L, E
LASHER, T. G., 76 Newell St., Brooklyn, N. Y.	C
LATHAM, WOODVILLE, 22 Gramercy Park	C

LAUDY, LOUIS H., Ph. D., Columbia University	A, C
LAWALL, MISS L. R., 352 East 8th St.	B
LAWLER, CHARLES J., 9 Morton St., Brooklyn, N.Y.	C
LAWRENCE, JOHN B., JR., 126 East 30th St.	L
LAWRENCE, NEWBOLD T., 51 Liberty St.	L
LAWRENCE, RICHARD HOE, 31 Broad St.	B
LAWTON, J. M., 37 Fifth Ave.	A
LEALE, CHARLES A., M. D., 604 Madison Ave.	L
LE BOUTILLIER, CLEMENT, High Bridge, N. J.	C
LE BRUN, M. M., 8 Mountain Ave., Montclair, N. J.	B, M
LE BRUN, MRS. MARIA O., 8 Mountain Ave., Montclair, N. J.	B
LEDERLE, ERNST J., 471 West 143d St.	A, C, M
LEDoux, ALBERT R., Ph. D., 9 Cliff St.	A
LEE, PROF. FREDERICK S., M. D., College of Physicians and Surgeons	A
LEE, H. C., 127 East 21st St.	B, Mi
LEEDS, PROF. A. R., Ph. D., 900 Hudson St., Hoboken, N. J.	A, C
LEEDS, MORRIS E., 3221 North 17th St., Philadelphia, Penn.	B
LEGGETT, F. W., 301 Pearl St.	M
LEGRAS, GUSTAVE, College of the City of New York	Ma
LELAND, MATTHEW J., M. D., 406 Bergen St., Brooklyn, N. Y.	C
LEMBKE, CHAS. F., 21 Union Square	A
LESLIE, ROBERT, 64 West 53d St.	B
LEUTLOFF, HERMAN C. A., 611 East 136th St.	L
LEVISON, W. GOOLD, Ph. D., 1435 Pacific St., Brooklyn, N. Y.	A, Mi
LEWIS, CHARLTON T., Ph. D., 32 Nassau St.	Ma
LEWIS, MRS. JAMES F., 35 Mount Morris Ave.	B
LEWIS, WALTER H., JR., 63 West 19th St.	A
LIAUTARD, PROF. A., M. D., 141 West 54th St.	A, L
LICHTENSTEIN, PAUL, 48 Exchange Place	A
LIGHTHIPE, REV. L. H., South Jacksonville, Fla.	B
LINDBO, J. A., Stanton, Nebraska	B
LING, G. H., Ph. D., Wesleyan University, Middletown, Conn.	Ma
LIPPENCOTT, C. D., Swedesborough, N. J.	B
LIVINGSTON, L. S., 149 Fifth Ave.	B
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LOGAN, WALTER S., 58 William St.	L

LOOS, HERMAN, 119 East 115th St.	E
LORD, BENJAMIN, M. D., 34 West 28th St.	A, L
LOVE, E. G. PH. D., 80 East 55th St.	A, C, M, E
LOW, HON. SETH, LL. D., Columbia University	A, L
LOWERY, MRS. LOUISA, F., 280 49th St., Brooklyn, N. Y.	Mi
LUHRMAN, JOHN JR., 158 Pacific Ave., Jersey City, N. J.	L
LUQUER, LEA McL., Columbia University	A
LUSTER, HERBERT A., 28 Prospect St., Elizabeth, N. J.	C
LUTHER, MISS AGNES, 29 Walnut St., Newark, N. J.	Mi
LYNCH, J. B., M. D., P. O. Box 1100, New York City	C
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MACDONALD, A. J., 69 Wall St.	L
MAC DOWELL, W. F., M. D., Medical Department, Barge Office	C
MCCARTY, EDWIN R., 242 West 58th St.	Mi
MCCLINTOCK, EMORY, PH. D., LL. D., 32 Nassau St.	A, Ma
MCCOOK, COL. J. J., 10 West 54th St.	A
MCGUIRE, F. A., M. D., 631 Lexington Ave.	L
McILHINEY, PARKER C., PH. D., Columbia University	C
McKENNA, C. F., 221 Pearl St.	C
McKIM, REV. HASLETT, 33 West 20th St.	A
McLAUGHLIN, CHAS. 874 Broadway	C
McLAURY, FRANK H., M. D., 244 West 42d St.	M
McLOUTH, PROF. L. A., New York University	A
McMURTRIE, WM., PH. D., 100 William St.	C
McNULTY, PROF. JOHN J., 17 Lexington Ave.	A
MACLAY, JAMES, Columbia University	Ma
MACY, C. A., 2d. 208 West 45th St.	A
MAITLAND, ALEXANDER, 45 Broadway	A, C
MAITLAND, ROBERT L., 10 East 35th St.	L
MALLORY, J. HALSEY, 539a Greene Ave., Brooklyn, N. Y.	C
MANDEL, JOHN A., 17 Lexington Ave.	C
MANN, CHARLES R., Chicago University, Chicago, Ills.	Ma
MANNING, G. L., Stevens Institute, Hoboken, N. J.	Ma
MAR, FRED. W., PH. D., 32 McDonough St., Brooklyn, N. Y.	C
MARBLE, MISS DELIA W., Bedford, N. Y.	B
MARBLE, MANTON, 532 Fifth Ave.	A
MARIÉ, PETER, 6 East 37th St.	A

MARQUAND, HENRY G., 11 East 68th St.	A
MARTIN, PROF. DANIEL S., PH. D., 75 West 55th St.	A, Mi
MASON, PROF. J. W., College of the City of New York	Ma
MASON, W. L., 156 Fifth Ave.	Mi
MASON, PROF. W. P., Rensselaer Polytechnic Institute, Troy, N. Y.	C
MATHER, GEORGE W., 53 Howe St., Passaic, N. J.	Mi
MATHER, HENRY A., 27 Pierrepont St., Brooklyn, N. Y.	C
MATHESON, W. J., 178 Front St.	C
MATTHEWS, JOHN A., 4 First Place, Brooklyn, N. Y.	C
MATTHIESSEN, F. O., 117 Wall St.	C
MAYO-SMITH, PROF. RICHMOND, 305 West 77th St.	A
MAYWALL, F. J., 592 Kosciusko St., Brooklyn, N. Y.	C
MEAD, WALTER H., 67 Wall St.	A, M
MEARNS, EDGAR A., M. D., U. S. A., Washington, D. C.	L
MEISEL, C. F. A., 44 Strong Place, Brooklyn, N. Y.	C
MEITZEN, JULIUS, Belmont Ave. and Linwood St., Brooklyn, N. Y.	E
MELTZER, S. J., M. D., 66 East 124th St.	A
MERRILL, FRED. J. H., PH. D., N. Y. State Museum, Albany, N. Y.	A
MERZ, HENRY, 55 Maiden Lane	C
MESSINGER, H. J., JR., PH. D., Metropolitan Life Insurance Co.	Ma
METZGER, PROF. ROBERT, 244 East 52nd St.	E
MEYER, MAX, M. D., 58 East 114th St.	M
MEYER, T. C., Union Club	A
MICHAELIS, GUSTAVUS, Albany, N. Y.	C
MILLER, E. B., 141 East 40th St.	B
MILLER, E. H., M. D., 41 East 49th St.	C
MILLER, E. S., Floral Park, N. Y.	B
MILLER, GEORGE N., M. D., 811 Madison Ave.	A
MILLER, MRS. H. M., 628 Hancock St., Brooklyn, N. Y.	L
MILLS, A. G., 38 Park Row	L
MILLSPAUGH, D. T., M. D., 25 Totowa Ave., Paterson, N. J.	B
MILWOOD, JAMES, 141 Skillman St., Brooklyn, N. Y.	C
MITCHELL, EDWARD, 31 East 50th St.	A
MITCHELL, JOHN MURRAY, 35 Wall St.	A
MOALE, PHILIP R., PH. D., 82 Chestnut St., Asheville, N. C.	C
MOLINEAUX, ROWLAND, 6 Jersey St., Newark, N. J.	C
MORGAN, J. PIERPONT, 219 Madison Ave.	A

MORGAN, MISS MARIA, 113 East 19th St.	B
MORRIS, ROBERT T., M. D., 49 West 39th St.	L
MORTON, HENRY, PH. D., Stevens Institute, Hoboken, N. J.	C
MOSCHELLE, MRS. LOUISE, 185 Fifth Ave.	E
MOSES, PROF. ALFRED J., Columbia University	A
MOULTON, CHARLES W., 19 Virginia Ave., Poughkeepsie, N. Y.	C
MULFORD, CHAS. W., Hempstead, N. Y.	B
MULFORD, MISS FANNY A., Hempstead, N. Y.	B
MULLER, HERMAN J., 224 West 26th St.	B
MUNCH, LOUIS T., 235 East 56th St.	E
MUNSELL, C. E., PH. D., 110 Horatio St.	A, C
MURRAY, MISS C., 235 West 23d St.	B
MYERS, PROF. WILLIAM S., 98 Eastern Ave., New Brunswick, N. J.	C
NASH, GEORGE V., New York Botanical Garden, Bronx Park	B
NEDHAM, THOMAS S., 23 West 82d St.	M
NEHER, HERBERT, M. D., 350 West 48th St.	M
NELSON, MISS HELEN D., 35 East 29th St.	B
NEUSTADT, GEORGE M. S., 248 East 48th St.	C
NEWCOMB, ALBERT S., M. D., 206 West 71st St.	M
NICHOLS, WILLIAM H., 32 Liberty St.	C
NIEMAN, HOWARD S., 8 East 97th St.	C
NIESE, H. E., Mathiessen & Wiechers, Jersey City, N. J.	C
NIVEN, WILLIAM, High Bridge	A, Mi
NORTHROP, MRS. A. R., 500 Warburton Ave., Yonkers, N. Y.	B
NOTT, F. J., M. D., 544 Madison Ave.	A
OAKES, F. J., 58 Stone St.	C
O'CONNOR, THOMAS D., 16 Exchange Place	Mi
OGDEN, HENRY, 11 Pine St.	B
OLCOTT, E. E., 38 West 39th St.	A
ORTH, A., 194 Fulton St.	C
OSBORN, PROF. HENRY F., Columbia University	A, L
OSBORN, WILLIAM C., 273 Lexington Ave.	L
OSBORNE, THOMAS, M. D., P. O. Box 485, New Haven, Conn.	C
OSTERBERG, MAX, 27 Thames St.	Ma
OTTENDORFER, OSWALD, 150 West 59th St.	A
OTTOLENGUI, R., D. D. S., 104 West 61st St.	E
PAGE, DR. R. C. M., 31 West 33d St.	M

PAINE, A. G., JR., 47 West 45th St.	L
PALM, CHARLES, 172 East 64th St.	E
PALMER, MISS LUELLA A., 235 East 18th St.	B
PALMER, NOAH, 87 Bedford Ave., Brooklyn, N. Y.	M
PARISH, MISS EDITH, Putney, Vermont	B
PARKER, C. E., 150 Alden St., Orange, N. J.	C
PARKER, HERSCHELL C., Columbia University	A
PARKES, T. J., Bergen Point, N. J.	C
PARMELEE, C. W., 138 Kent St., Brooklyn, N. Y.	C
PARMENTIER, H. A., M. D., 203 East 116th St.	M
PARMLY, D. D., 160 Broadway	A
PARSONS, C. C., M. D., 43 Sedgwick St., Brooklyn, N. Y.	C
PARSONS, MRS. FRANCES S., 176 Washington Ave., Albany, N. Y.	B
PARSONS, JOHN E., 111 Broadway	A
PATTEN, JOHN, Care of John Ryan Co., Baltimore, Md.	A
PEABODY, HON. CHARLES A., 70 West 21st St.	A
PEEK, ROBERT L., 9 Cliff St.	C
PELL, A., 58 William St.	M
PELL, ALFRED, 20 East 35th St.	A
PELLEW, CHARLES E., PH. D., 68 East 54th St.	A, C, M
PERKINS, T. S., 39 Garden Place, Brooklyn, N. Y.	C
PERRY, PROF. E. D., Columbia University	A
PETTIGREW, DAVID L., P. O. Box 75, Worcester, Mass.	A
PFISTER, J. C., Columbia University	A, Ma
PHILLIPS, PROF. A. H., Princeton, N. J.	L
PHILLIPS, GEO. W., 120 Broadway	Ma
PHILLIPS, W. D., 77 Pine St.	C
PHOENIX, LLOYD, Union Club	A
PIERSON, ISRAEL C., PH. D., 21 Cortlandt St.	A
PIFFARD, HENRY G., M. D., 256 West 57th St.	A, M
PIKE, COL. NICHOLAS, 11 West 106th St.	E
PITKIN, LUCIUS, PH. D., 138 Pearl St.	A, C, M
PITMAN, JOHN R., Pompton Lakes, N. J.	C
PLUMLEY, G. L., Pulitzer Building	Ma
PLYER, CHARLES W., 22 West 60th St.	M
POLLARD, CHARLES L., 1839 Fifth St., N. W., Washington, D. C.	B
POLLARD, FRANK A., 413 St. Nicholas Ave.	B

POMEROY, CHARLES T., PH. D., 190 Mount Pleasant Ave., Newark, N. J.	C
PORTER, MISS ADELAIDE, 134 West 67th St.	B
PORTER, LOUIS H., 313 West 75th St.	L
PORTER, PROF. THOS. C., D. D., Lafayette College, Easton, Penn.	B
POST, C. A., 21 Washington Square, N.	A
POST, GEO. B., 11 West 21st St.	A
POWER, FREDERICK B., Hudson, N. Y.	C
POWERS, MISS E. T., Baldwins, N. Y.	B
PRAY, JOSEPH M., 99 Nassau St.	L
PRENTICE, W. P., 155 Broadway	C
PRICE, PROF. THOMAS R., Columbia University	A
PRIME, F. E., 26 Broad St.	A
PRIME, TEMPLE, 26 Broad St.	A
PRIME, WILLIAM C., M. D., 38 East 23d St.	E
PRINCE, JOHN D., 19 West 34th St.	A
PROCHAZKA, G. A., M. D., 138 West 13th St.	C
PROCHAZKA, JOHN, 15 East 12th St.	C
PRUDDEN, PROF. T. MITCHELL, M. D., Columbia University	A
PUPIN, PROF. M. I., PH. D., Columbia University	A, Ma
QUACKENBOS, PROF. J. D., 331 West 28th St.	A
QUINTARD, C. H., Norwalk, Conn.	Mi
RABE, FRANZ, 244 East 52d St.	E
RAMSPERGER, GUSTAVUS, 236 East 23d St.	B
RAND, A. W., Plainfield, N. J.	B
RAYSON, MISS AMY, 174 West 87th St.	Ma
READ, DANIEL P., 268 West 73d St.	M
READ, FREDERICK, 140 Nassau St.	C
READ, MRS. HENRY, 99 Nassau St.	L
REES, PROF. JOHN K., Columbia University	A, Ma
RENWICK, EDWARD S., 19 Park Place	C, L
REUBENS, CHARLES M., 77 East 115th St.	C
REUTER, L. H., M. D., Merck Building	C
RICE, PROF. CHARLES, PH. D., Bellevue Hospital	A, C
RICE, MRS. I. L., 48 West 72d St.	B
RICH, JACOB M., 50 West 38th St.	B
RICHARDS, H. M., M. D., Barnard College	B
RICHARDSON, WILLIAM M., Am. Mus. Nat. History	L

RICKETTS, PROF. P. DE P., PH. D., Columbia University	A, C
RIEDERER, LUDWIG, 145 West 94th St.	M, E
RIES, HEINRICH, Columbia University	A, Mi
RIES, MRS. HEINRICH, 305 East 53d St.	B
RIGGS, G. W., Summit, N. J.	C
RIGGS, LOUIS W., M. D., University Medical College	C
RIGGS, PROF. R. B., Trinity College, Hartford, Conn.	C
RIKER, C. B., Maplewood, N. J.	L
RILEY, R. HUDSON, Bensonhurst, N. Y.	A
RIVES, WILLIAM C., M. D., 22 West 33d St.	B, L
ROBB, J. HAMPDEN, 23 Park Ave.	L
ROBBINS, S. H., 20 East 27th St.	L
ROBERTS, R. A., 72 Fifth Ave.	Ma
ROBINSON, ELIAS P., 314 Henry St.	C
ROBINSON, MRS. G. W., 339 West 57th St.	B
ROCKWELL, C. H., Tarrytown, N. Y.	Ma
ROEBLING, WILLIAM A., 117 Liberty St.	Mi
ROGERS, MRS. AMOS, 165 West 80th St.	B
ROGERS, MISS J. E., 314 East 20th St.	B
ROLLE, ARTHUR, 962 Summit Ave., Jersey City, N. J.	B
ROSCHÉ, JOHN, White Plains, N. Y.	Mi
ROSELL, C. A. O., Litho Building	C
ROSSI, AUGUSTE J., E. M., 35 Broadway	C
ROTHE, W. G., 226 Stuyvesant Ave., Brooklyn, N. Y.	Mi
ROUX, MISS ROSE T., 240 West 50th St.	B
ROWLEY, JOHN, JR., Am. Mus. Nat. History	L
RUNDALL, CLARENCE A., Brewster, N. Y.	L
RUSBY, PROF. HENRY H., M. D., College of Pharmacy	A, B, M
RUSSAK, FRANK, 46 Exchange Place	A
RUSSELL, MRS. ARCHIBALD D., Riverdale, N. Y. City	B
RUTH, ALBERT, Knoxville, Tenn.	B
RYAN, IRENÆUS, 733 Broadway	Mi
RYDBERG, P. AXEL, Columbia University	B
SAARBACH, LUDWIG, M. D., 23 William St.	C
SABIN, PROF. A. H., P. O. Box 85, Long Island City, N. Y.	C
SABINE, WILLIAM T., 960 Madison Ave.	A
SACHS, BERNARD, M. D., 21 East 65th St.	L

SANIAL, MISS MARIE L., 188 West 137th St.	B
SASS, C. W., 549 East 12th St.	E
SATTERLEE, F. LEROY, M. D., 8 West 18th St.	A
SATTERLEE, LIVINGSTON, New Brighton, Staten Island, N. Y.	A
SATTERLEE, MISS MARIAN, 31 East 28th St.	B
SCHAEFFER, C., 145 Harrison St., Brooklyn, N. Y.	E
SCHAUS, WM., Ormonde Lodge, Twickenham, England	E
SCHEDLER, R. W., N. Y. Tartar Co., Brooklyn, N. Y.	C
SHEEL, WILLIAM H., 78 Pine St.	C
SCHERMERHORN, F. A., 61 University Place	A
SCHERMERHORN, J. E., 25 East 79th St.	M
SCHERMERHORN, WILLIAM C., 49 West 23d St.	A
SCHERNIKOW, ERNEST, P. O. Box 3540, N. Y. City	Mi
SCHIEFFELIN, W. JAY, PH. D., 170 William St.	C
SCHILLER, LOUIS J., Jay and John Sts., Brooklyn, N. Y.	C
SCHIMPF, HENRY W., 365 Franklin Ave., Brooklyn, N. Y.	C
SCHMIDT, A. EMIL, M. D., 448 East 59th St.	B
SCHNEIDER, ALBERT, M. D., PH. D., College of Pharmacy, Chicago, Ill.	B
SCHOEDER, PAUL, 1280 Columbus Ave., N. Y. City	B
SCHOENEY, L., M. D., 68 East 104th St.	M, B
SCHOONMAKER, WILLIAM D., 28 Warren St.	A, Mi
SCHOONOVEN, JOHN G., 165 Warren St., Brooklyn	B
SCHROEDER, EDWARD, 221 Pearl St.	C
SCHROETER, ANTON H., 230 East 23d St.	L
SCHULTZE, ARTHUR, PH. D., Hoboken Academy, Hoboken, N. J.	Ma
SCHULTZE, E. A., 58 Arlington Ave., East Orange, N. J.	M
SCHUPPHAUS, R. C., PH. D., 66 Broadway	C
SCHÜSSLER, MISS AMY, Teacher's College, West 120th St.	B
SCHUYLER, PHILIP, Irvington, N. Y.	A
SCHWEITZER, HUGO, PH. D., 159 Front St.	C
SEBERT, WILLIAM F., 353 Clinton St., Brooklyn, N. Y.	L
SEHER, AUGUST, PH. D., 115 Chestnut St., Newark, N. J.	C
SEIBELT, OTTO, 25 Beacon Ave., Jersey City Heights, N. J.	E
SEIFERT, OTTO, M. D., 540 East 84th St.	E
SELDNER, RUDOLPH, 217 Jefferson Ave., Brooklyn, N. Y.	C
SELLEW, T. G., 111 Fulton St.	L
SENFF, C. H., Whitestone, N. Y.	A, C

SERINGHAUS, PROF. FRED. W., 954 Eighth Ave.	B
SERRELL, LEMUEL W., 140 Nassau St.	A
SHACK, FERDINAND, 56 Wall St.	Ma
SHANNON, W. P., JR., 661 Fifth Ave.	L
SHARE, WILLIAM H., 331 McDonough St., Brooklyn, N. Y.	C
SHERMAN, H. C., 252 West 53d St.	C
SHETTLER, MISS E. C., 147 Madison Ave.	B
SHIELDS, J. F., Adelphi Academy, Brooklyn, N. Y.	Ma
SHOEMAKER, ERNEST, 32 Nassau St.	E
SHRIVER, WALTER, 333 East 56th St.	A
SHULTZ, C. S., Hoboken, N. J.	M
SICKELS, DR. IVIN, 17 Lexington Ave.	M
SIEBERG, W. H. J., 138 West 126th St.	A, Mi
SIEBRECHT, HENRY A., New Rochelle, N. Y.	B
SIEGFRIED, ALFRED A., 39 South St., Jersey City, N. J.	C
SIEKE, JOSEPH, 612 East End Ave.	B
SIEKER, FERD. A., 524 Bloomfield St., Hoboken, N. J.	C
SILL, CHARLES, 301 West 12th St.	L
SIMON, S. E., PH. D., Belleville, N. Y.	C
SKEEL, FRANK D., M. D., 361 Mott Ave.	A, M
SKIDMORE, S. T., 71 West 50th St.	L
SLEIGH, A. H., Glen Cove, N. Y.	M
SLOAN, SAMUEL, 26 Exchange Place	A
SLOSSON, MRS. A. T., 38 East 23d St.	E
SMALL, JOHN K., PH. D., Columbia University	B
SMITH, ANNIE MORRILL, 78 Orange St., Brooklyn, N. Y.	B
SMITH, REV. CORNELIUS B., 101 East 69th St.	L
SMITH, ERNEST E., M. D., 262 Fifth Ave.	A, C
SMITH, EUGENE, 317 Washington St., Hoboken, N. J.	B
SMITH, MRS. H. L., 171st St., bet. Audubon and Eleventh Ave.	B
SMITH, MISS HELEN M., 129 West 129th St.	B
SMITH, HERBERT E., Yale Medical College, New Haven, Conn.	C
SMITH, JAMES BAKER, 251 West 71st St.	L
SMITH, MRS. S. SIDNEY, 105 East 38th St.	B
SMITH, WILLIAM A., Maplewood, N. J.	B
SMOOT, ALFRED M., 9 Cliff St.	C
SNOOK, T. E., 261 Broadway	Ma

SONON, M. D., U. S. Naval Laboratory, Brooklyn, N. Y.	C
SOMMERFIELD, WILLIAM I., 32 West 13th St.	A
SOUTHER, HENRY, Hartford, Conn.	C
SPENCER, G. L., M. D., U. S. Dept. of Agriculture, Washington, D. C.	C
SPENCER, JAMES C., 280 Broadway	L
SPENCER, REV. J. SELDEN, Tarrytown, N. Y.	Mi
SPEYERS, PROF. CLARENCE L. Rutgers College, New Brunswick, N. J.	C
SPRAGUE, JOHN C., 257 West 74th St.	L
SQUIBB, EDWARD R., M. D., 152 Columbia Heights, B'klyn, N. Y.	C, L
STAATS, MISS M. A., 128 East 23d St.	B
STABLER, E. L., PH. D., 66 Broadway	Ma
STANTON, GILMAN S., 31 West 71st St.	Mi
STARR, H. F., 142 Fourth Ave., Newark, N. J.	C
STARR, PROF. M. ALLEN, 22 West 48th St.	A
STEARNS, T. C., 44 Montgomery St., Jersey City, N. J.	C
STEBBINS, J. H., JR., M. D., 114 Pearl St.	C
STERN, BENJAMIN, 32 West 23d St.	L
STERNBERG, L., M. D., P. O. Box L, Jersey City, N. J.	C
STERNE, MISS ALICE L., 141 West 118th St.	B
STETSON, F. L., 576 Madison Ave.	A
STEVENS, ALEXANDER H., 1282 Broadway	L
STEVENS, GEORGE T., M. D., 33 West 33d St.	A, L
STEVENS, PROF. W. LE CONTE, Rensselaer Polytech. Inst., Troy, N. Y.	A
STEVENSON, PROF. J. J., 568 West End Ave.	A, Mi
STEWART, D. JACKSON, 20 Gramercy Park	A
STEWART, F. C., Jamaica, N. Y.	B
STIFF, GEORGE, 421 Ditmars Ave., Long Island City, N. Y.	C
STILES, W. M., 597 Eleventh St., Brooklyn, N. Y.	C
STILLMAN, T. B., PH. D., Stevens Institute, Hoboken, N. J.	C
STILLWELL, C. M., 55 Fulton St.	C
STILLWELL, J. S., P. O. Box 3015, N. Y. City	C
STOCKER, JOHN H., 338 Jefferson Ave., Brooklyn, N. Y.	C
STODDARD, PROF. FRANCIS H., University Heights	A
STOKES, JAMES, 49 Cedar St.	A
STONE, GEORGE C., N. J. Zinc and Iron Co., Newark, N. J.	C
STONE, MASON A., 20 East 66th St.	L
STONE, W. G., Whitesboro, N. Y.	C

STOTTLER, JOHN H., Riverside Ave. and 106th St.	B
STRATFORD, PROF. WILLIAM, PH. D., 245 West 52d St.	A
STRONG, CHAS. A., PH. D., Box 208, Lakewood, N. J.	A
STURCKE, H. E., 284 Pearl St.	C
STURSBERG, J. A., 117 Wall St.	C
STUYVESANT, RUTHERFURD, 246 East 15th St.	A
SUTRO, MRS. MATHILDE, 60 West 49th St.	A, B
SUCH, MRS. GEO., South Amboy, N. J.	B
TAGGART, RUSH, 319 West 75th St.	A
TATLOCK, JOHN, JR., P. O. Box 194, N. Y. City	A, Ma
TAYLOR, MISS ALEXANDRINA, Mamaroneck, N. Y.	B
TAYLOR, CHARLES FAYETTE, M. D., 117 West 55th St.	A
TAYLOR, DUNCAN W., Colgate & Co., Jersey City, N. J.	C
TEFFT, WILLIAM E., 328 Broadway	L
TERHUEEN, PETER O., Hohokus, N. J.	C
TERRY, JAMES, New Haven, Conn.	A
THATCHER, CHARLES J., Ninth St. and Gowanus Canal, Brooklyn, N. Y.	C
THOMPSON, PROF. W. GILMAN, 34 East 31st St.	A
THORNE, SAMUEL, 71 Wall St.	L
TIFFANY, C. L., 255 Madison Ave.	M
TILDEN, JOHN L., M. D., Peekskill, N. Y.	Mi
TOCH, M., 468 West Broadway	C
TODD, PROF. HENRY ALFRED, Columbia University	A
TOMPKINS, VREELAND, 533 Communipaw Ave., Jersey City, N. J.	C
TOWS, C. D., Buckingham Hotel	A
TRAVERS, MISS SUSAN, Riverdale, N. Y. City	B
TROTTER, ALFRED W., 26 Cortlandt St.	A
TROWBRIDGE, CHARLES C., Columbia University	A
TRUBEK, MOSES, 325 Academy St., Newark, N. J.	C
TUCKER, S. A., 437 West 59th St.	C
TUCKER, PROF. WILLIS G., Albany Medical College, Albany, N. Y.	C
TUCKERMAN, ALFRED, PH. D., 342 W. 57th St.	A
TUNISON, CHARLES, 48 West 97th St.	E
TUTHILL, WILLIAM B., 105 East 22d St.	M
TUTTLE, HERBERT C., 28 West 47th St.	C
TYLER, MISS FLORENCE N., 2096 Lexington Ave.	B
UHLENHAUT, F., 197 Pearl St.	E

UHLIG, E. C., 229 East 12th St.	C
UNDERWOOD, PROF. L. M., Columbia University	B
VAIL, MISS ANNA M., 29 Washington Square	B
VALENTINI, PHILIP J., PH. D., 351 Lenox Ave.	A
VAN AMRINGE, PROF. J. H., PH. D., Columbia University	Ma
VAN BEUREN, FRED. T., 21 West 14th St.	A
VAN BRUNT, CORNELIUS, 319 East 57th St.	A, B, M
VANDERBILT, CORNELIUS, 1 West 57th St.	L
VANDERPOEL, FRANK, 191 Roseville Ave., Newark, N. J.	C
VAN GELDER, ARTHUR P., Columbia University	C
VAN GIESEN, IRA, M. D., Columbia University	A
VAN INGEN, DUDLEY A., 135 Henry St., Brooklyn, N. Y.	C
VAN INGEN, GILBERT, Columbia University	A
VAN SICKLE, WILLIAM M., Union Hill, N. J.	B
VAN SLYCK, GEORGE W., 120 Broadway	A
VAUGHAN, CLIFFORD WHEATON, 47 West 83d St.	L
VOLCKENING, GUSTAV J., 65 Van Buren St., Brooklyn, N. Y.	C
VON HERFF, B., 93 Nassau St.	C
VON NARDROFF, E. R., Barnard College	A, Ma
VON WILMOUSKY, F., 111 Broadway	B
VOORHEES, PROF. E. B., New Brunswick, N. J.	C
VOORHEES, LOUIS A., P. O. Box 230, New Brunswick, N. J.	C
VREELAND, E. K., 228 Orange Road, Montclair, N. J.	B
WADE, HERBERT T., Columbia University	A
WADMAN, WALTER E., 102 Lord Ave., Bayonne City, N. J.	C
WAINWRIGHT, J. H., 402 Washington St.	C
WAKEMAN, ALFRED J., 359 Western Boulevard	C
WALDMAN, LOUIS I., P. O. Box 162, Albany, N. Y.	C
WALDSTEIN, M. E., PH. D., 107 Murray St.	C
WALES, WILLIAM, Fort Lee, N. J.	M
WALKER, HENRY F., M. D., 8 East 30th St.	L
WALKER, HENRY V., 38 Clinton St., Brooklyn, N. Y.	C
WALKER, JAMES, 49 Maiden Lane	M, Mi
WALL, JOHN L., 338 Sixth Ave.	A, B, M
WALLACE, E. C., Foot of Sixth St., Long Island City, N. Y.	C
WALLER, PROF. ELWYN, PH. D., 440 First Ave.	A, B, C
WARBURG, F. N., 18 East 72d St.	A

WARD, DELANCEY W., Columbia University	A
WARREN, A. COOLIDGE, 239 West 21st St.	Mi
WATTS, ARTHUR J., M. D., 1123 Bedford Ave., Brooklyn, N. Y.	Mi
WEBB, HARRY H., Room 108, 143 Liberty St.	Mi
WEBB, PROF. J. BURKITT, Stevens Institute, Hoboken, N. J.	Ma
WEED, HENRY T., 298 Herkimer St., Brooklyn, N. Y.	C
WEEKS, RUFUS W., 346 Broadway	Ma
WEIDIG, D. H. P., 194 Worth St.	C
WELLS, HENRY P., 158 Clinton St., Brooklyn, N. Y.	C
WELLS, WALTER S., M. D., 37 West 82d St.	M
WESSON, DAVID, Cortland, N. Y.	C
WESTON, THEODORE, 14 East 48th St.	A
WHEELER, EDWARD J., 79 Chapel St., Albany, N. Y.	C
WHELOCK, WM. E., M. D., 13 West 48th St.	B
WHITE, C. H., M. D., U. S. Naval Laboratory, Brooklyn, N. Y.	C
WHITE, THADDEUS R., 242 West 45th St.	A
WHITE, THEODORE G., 39 West 26th St.	A, B, Mi
WHITEHEAD, G. I., 206 Broadway	M
WHITFIELD, PROF. R. P., Am. Mus. Nat. History	A, Mi
WHITMAN, ALFRED A., 305 West 78th St.	A
WHITON, L. C., 114 West 76th St.	A
WICKE, WILLIAM, 530 First Ave.	L
WICKHAM, D. O., 225 South 39th St., Philadelphia, Penn.	L
WIECHMANN, FERDINAND G., Ph. D., 771 West End Ave.	A
WIENER, JOSEPH, M. D., 1046 Fifth Ave.	A
WILEY, G. L., 346 Broadway	Ma
WILLETS, JOHN T., 303 Pearl St.	L
WILLETS, ROBERT R., 303 Pearl St.	L
WILLIAMS, MISS E. C., 27 West 60th St.	Ma
WILLIAMS, E. D., Springfield, N. J.	C
WILLIAMS, HERBERT M., 124 St. James Place, Brooklyn, N. Y.	C
WILLIAMS, J. T., Stamford, Conn.	C
WILLIAMS, SEWARD W., 8 Brighton Ave., East Orange, N. J.	C
WILLIAMSON, G. N., 14 Day St.	C
WILLIS, O. R., Ph. D., White Plains, N. Y.	B
WILLIS, REGINALD, 313 West 76th St.	L
WILLS, CHARLES T., 156 Fifth Ave.	A

WILSON, PROF. EDMUND B., Columbia University	A
WILSON, PROF. G. D., Nyack, N. Y.	Mi
WINGATE, MISS H. S., 1961 Madison Ave.	B
WINTON, PROF. A. L., 136 Canner St., New Haven, Conn.	C
WITTER, WILLIAM C., 150 Nassau St.	B
WITTHAUS, PROF. R. A., 303 West 77th St.	C
WOLF, AUGUST S., Woman's Hospital	M, Mi
WOOD, MRS. CYNTHIA A., 171 West 47th St.	B, L
WOOD, JOSEPH R., 820 President St., Brooklyn, N. Y.	C
WOOD, WILLIAM H. S., 45 East 10th St.	A
WOODCOCK, R. C., 636 West 55th St.	C
WOODCOCK, REGINALD C., 471 West 23d St.	M
WOODHULL, PROF. JOHN F., Teachers' College, West 120th St.	A
WOODMAN, DURAND, PH. D., 127 Pearl St.	C
WOODRUFF, LEWIS B., 14 East 68th St.	L
WOODWARD, A., PH. D., Am. Mus. Nat. History	M
WOODWARD, PROF. R. S., Columbia University	A, Ma
WOOLMAN, G. S., 116 Fulton St.	M
WORTMAN, J. L., M. D., Am. Mus. Nat. History	A
WYNKOOP, GILLET, Polytechnic Institute, Brooklyn, N. Y.	C
YALDEN, JAMES ERNEST G., 144 West 94th St.	Mi
YARDLEY, SAMUEL S., cor. William and Walnut Sts., East Orange, N. J.	C
YOCUM, JOHN H., 26 Ferry St.	C
YOUNG, WILLIAM J., M. D., 72 Fifth Ave.	A, C
YOUNG, CURTIS, C., 395 Clermont Ave., Brooklyn, N. Y.	L
YOUNG, WILLIAM D., M. D., 29 Park St., Buffalo, N. Y.	B
ZABRISKIE, REV. J. L., 28 Regent Place, Brooklyn, N. Y.	M, E
ZEREGA, LOUIS A., M. D., 49 West 39th St.	L
ZINSSER, FRED. G., 197 William St.	C

Number of Members, - - - - 1,055

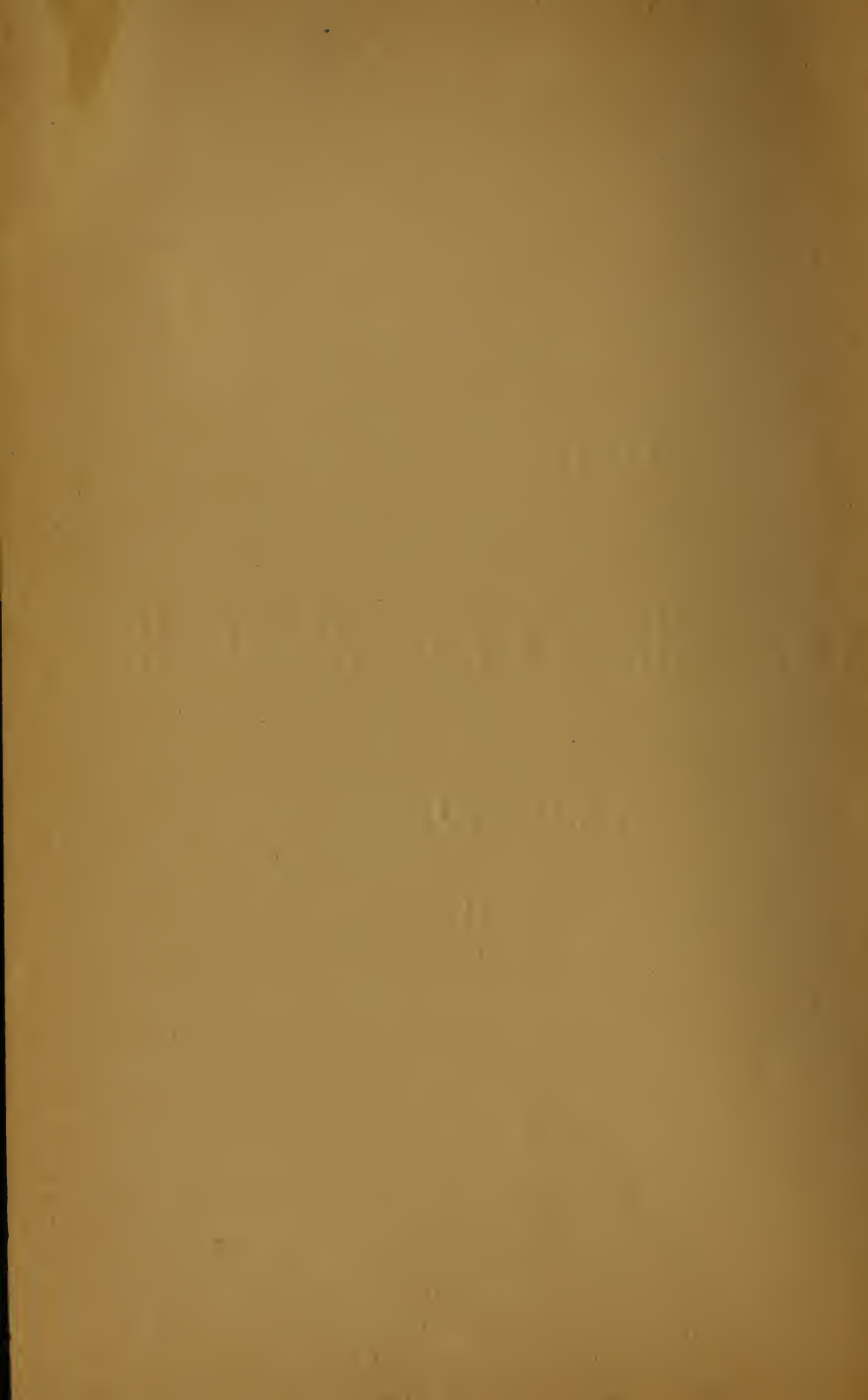
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THE NEW YORK MICROSCOPICAL SOCIETY,
THE LINNÆAN SOCIETY OF NEW YORK,
THE NEW YORK MINERALOGICAL CLUB,
THE AMERICAN MATHEMATICAL SOCIETY,
THE NEW YORK SECTION OF THE AMERICAN CHEMICAL
SOCIETY AND
THE NEW YORK ENTOMOLOGICAL SOCIETY.

Published by the Council under the authority of the several Societies.

NEW YORK :
PRESS OF L. S. FOSTER,
OCTOBER, 1898.

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CHAS. F. COX.
P. H. DUDLEY.

From the Torrey Botanical Club.

ADDISON BROWN, PRESIDENT.
N. L. BRITTON.
HENRY H. RUSBY.

From the New York Microscopical Society.

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From the Linnæan Society of New York.

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From the New York Section of the American Chemical Society.

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MARSTON T. BOGERT.
E. E. SMITH.

From the New York Entomological Society.

E. G. LOVE, PRESIDENT.
WM. BEUTENMULLER.
R. OTTOLENGUI.

Officers of the Council, 1898-99.

PRESIDENT: CHAS. F. COX. TREASURER: E. G. LOVE.
SECRETARY: N. L. BRITTON.

THE NEW YORK ACADEMY OF SCIENCES.

Organized as the Lyceum of Natural History, Feb. 24th, 1817; chartered, April 20th, 1818; reorganized as the New York Academy of Sciences, Feb. 21st, 1876.

Total Membership 588, divided as follows: Resident Fellows, 67; Resident Members, 217; Corresponding Members, 264; Honorary Members, 40.

Meetings are held on Monday evenings from October to June.

Annual Dues, \$10.00. Initiation Fee, \$5.00.

Annual Meeting, the fourth Monday in February.

Number of Meetings held Oct. 1897–June, 1898, 33; Public Lectures 3.

PUBLICATIONS. Annals of the Lyceum of Natural History, 11 Volumes; Proceedings of the Lyceum of Natural History, 2 Series; Annals of the New York Academy of Sciences, now in the 11th volume; Transactions of the New York Academy of Sciences, 16 volumes. Memoirs Vol. 1, Part I. In addition to these, a number of Lists of Members and pamphlets on special subjects have been issued.

Officers for 1898–99 are as follows: President, Henry F. Osborn; First Vice-President, Nathaniel L. Britton; Second Vice-President, James F. Kemp; Corresponding Secretary, William Stratford; Recording Secretary, Richard E. Dodge; Treasurer, Charles F. Cox; Librarian, Arthur Hollick.

COUNCIL: Charles L. Bristol, William Hallock, Charles A. Doremus, Harold Jacoby, Bashford Dean, Lawrence A. McLouth.

CURATORS: Harrison G. Dyar, George F. Kunz, Alexis A. Julien, Louis H. Laudy, William D. Schoonmaker.

PUBLICATION COMMITTEE: H. F. Osborn, R. E. Dodge, N. L. Britton, J. F. Kemp, H. Jacoby, L. A. McLouth.

FINANCE COMMITTEE: Henry Dudley, John H. Hinton, Cornelius Van Brunt.

SECTIONS are established in Astronomy and Physics, in Biology, in Geology and Mineralogy, and in Anthropology, Psychology, and Philology.

The Library consists of about 11,000 volumes and bound pamphlets, now deposited in Schermerhorn Hall, Columbia University.

The Academy has no scientific collections.

PAST PRESIDENTS: Samuel L. Mitchell, 1817–1823; John Torrey, 1824–1826; and 1838; Joseph Delafield, 1827–1837; 1839–1865; Charles A. Joy, 1866–1867; John S. Newberry, 1868–1892; O. P. Hubbard, 1892–1893; H. Carrington Bolton, 1893–1894; J. K. Rees, 1894–1896; J. J. Stevenson, 1896–1898.

THE TORREY BOTANICAL CLUB.

Incorporated, April 21st, 1871. Total Membership 377, divided as follows: Active 221; Corresponding 152; Honorary 4.

Meetings are held on the second Tuesday evening and last Wednesday evening of each month from October to May inclusive.

Field Meetings are held every Saturday from April to October inclusive.

Annual Meeting, the second Tuesday in January.

Number of Meetings held May, 1897–May, 1898, 15; average attendance, 41.

Annual Dues, \$4.00. No Initiation Fee required.

Publishes "Bulletin," now in the 25th volume, and "Memoirs," now in the 6th volume.

Officers for 1898 are as follows: President, Addison Brown; Vice-Presidents, T. F. Allen, Henry H. Rusby; Recording Secretary, Edward S. Burgess; Corresponding Secretary, John K. Small; Treasurer, M. L. Delafield, Jr.; Curator, Helen M. Ingersoll; Librarian, P. A. Rydberg; Editor, L. M. Underwood; Associate Editors, Anna Murray Vail, Arthur Hollick, Byron D. Halsted, Marshall A. Howe, Carlton C. Curtis, Francis E. Lloyd.

FINANCE COMMITTEE: Wm. E. Wheelock, J. I. Kane.

COMMITTEE ON ADMISSIONS: Cornelius Van Brunt, Jeannette B. Greene.

COMMITTEE ON THE LOCAL FLORA: Phanerogamia: Thos. C. Porter, N. L. Britton, H. H. Rusby. Cryptogamia: L. M. Underwood, Maria O. Le Brun, S. Ely Jelliffe. Mosses, Elizabeth G. Britton.

COMMITTEE ON LIBRARY AND HERBARIUM: The Curator, The Librarian, Eugene P. Bicknell, Marie L. Sanial.

COMMITTEE ON INSTRUCTION: H. H. Rusby, Elizabeth G. Britton, Arthur Hollick, Smith Ely Jelliffe.

FIELD COMMITTEE: W. A. Bastedo, P. A. Rydberg, F. E. Lloyd.

Scientific Collections consist of an Herbarium of several thousand specimens, illustrating the Flora within 100 miles of New York, deposited at the New York College of Pharmacy. The Library is incorporated with the Botanical Library of Columbia University.

PAST PRESIDENTS: John Torrey, 1871–1873; Geo. Thurber, 1873–1880; John S. Newberry, 1880–1890; Addison Brown, 1890–1898.

THE NEW YORK MICROSCOPICAL SOCIETY.

Incorporated, 1877. Total Membership 114, divided as follows : Active 87 ; Corresponding 20 ; Honorary 7.

Meetings are held on the first and third Friday evenings of each month, from October to June, at the Mott Memorial Library, 64 Madison Avenue.

Annual meeting, the first Friday in January.

Number of Meetings held May, 1897-May, 1898, 16 ; average attendance, 25.

Annual Dues, \$5.00. Initiation Fee, \$5.00.

Publications : "Journal of the New York Microscopical Society," 13 volumes.

Officers for the year 1898 : President, Frank D. Skeel ; Vice-President, F. W. Leggett ; Recording Secretary, George E. Ashby ; Corresponding Secretary, J. L. Zabriskie ; Treasurer, James Walker ; Librarian, Ludwig Riederer ; Curator, George E. Ashby.

COMMITTEE ON ADMISSIONS : Henry C. Bennett, George H. Blake, Thomas S. Nedham, Fred'k Kato, Geo. E. Ashby.

COMMITTEE ON PUBLICATIONS : J. L. Zabriskie, H. A. Parmentier, George W. Kosmak, James Walker, Frank D. Skeel.

The Library contains about 2,000 volumes and is deposited at the place of meeting.

The Cabinet contains about 5,000 specimens.

THE LINNÆAN SOCIETY OF NEW YORK.

Organized, March 7th, 1878. Not incorporated. Total membership 200, divided as follows: Resident 160; Corresponding 38; Honorary 2.

Meetings are held at the American Museum of Natural History on the second and fourth Tuesday evenings of each month from October to May inclusive.

Annual Meeting, the first Meeting in March.

Number of Meetings held May, 1897–May, 1898, 15; average attendance, 18.

Annual Dues, \$3.00. Initiation Fee, \$2.00.

Publishes "Transactions," two volumes issued, and "Abstract of Proceedings," ten numbers issued.

Officers for 1898–1899 are as follows: President, Frank M. Chapman; Vice-President, Jonathan Dwight, Jr.; Secretary, W. W. Granger; Treasurer, L. S. Foster.

PUBLICATION COMMITTEE: Frank M. Chapman, J. A. Allen, W. W. Granger.

FINANCE COMMITTEE: L. S. Foster, William Dutcher, W. W. Granger.

COMMITTEE ON NOMINATIONS TO MEMBERSHIP: J. A. Allen, William Dutcher, L. S. Foster, W. W. Granger.

COMMITTEE ON PAPERS: Frank M. Chapman, J. A. Allen, R. L. Ditmars, L. S. Foster, W. W. Granger.

COMMITTEE ON THE LOCAL FAUNA: L. S. Foster, J. A. Allen, L. B. Bishop, Wm. C. Braislin, Frank M. Chapman, S. H. Chubb, R. L. Ditmars, Jonathan Dwight, Jr., W. W. Granger, Frank E. Johnson, C. B. Riker, Wm. C. Rives, E. Seton Thompson, L. B. Woodruff.

COMMITTEE ON PUBLIC LECTURES: Frank M. Chapman, J. A. Allen, L. S. Foster.

The Library consists mainly of exchanges derived from publications.

PAST PRESIDENTS: C. Hart Merriam, 1878–1879; Eugene P. Bicknell, 1879–1887; Geo. B. Sennett, 1887–1889; J. A. Allen, 1889–1897.

THE NEW YORK MINERALOGICAL CLUB.

Organized, 1887. Not incorporated. Total Membership 64, not classified.

Meetings are held monthly, but no definite dates are appointed, from October to June. Field excursions are held during the summer months.

Annual Meeting in April.

Number of Meetings held May, 1897-May, 1898, 10; average attendance, about 10.

The Club held five of its meetings jointly with the Section of Geology and Mineralogy of the N. Y. Academy of Sciences.

Annual Dues, \$1.00. No Initiation Fee required.

Officers for 1898-99: President, George F. Kunz; Secretary, Roy Hopping; Treasurer, J. W. Freckelton.

EXECUTIVE COMMITTEE: E. R. McCarty, Ernest Schernikow, Lazard Cahn.

NOMINATING COMMITTEE: Frederick Kato, E. R. McCarty.

COMMITTEE ON EXCURSIONS: W. G. Levison, James Walker, Frederick Kato, George E. Ashby, J. A. Grenzig.

CURATORS: William Niven, Gilman S. Stanton, A. H. Ehrman.

The Club owns the B. B. Chamberlin collection of New York Island Minerals, deposited, with other strictly local specimens, in the American Museum of Natural History. Its object is particularly the study of the minerals of Manhattan Island and the vicinity, and the collection and preservation of data and material in relation thereto.

THE AMERICAN MATHEMATICAL SOCIETY.

Organized as the New York Mathematical Society, November 24th, 1888. Reorganized as the American Mathematical Society, July 1st, 1894. Not incorporated. Total Membership, 313, not classified. Local Members, included in this Directory, 53.

Meetings are held at 10.30 A. M., on the last Saturday of October, February and April, at Columbia University.

Annual Meeting, during the week between Christmas and New Year's Day.

Annual Dues, \$5.00. Initiation Fee, \$5.00. Life Membership, \$50.

The "Bulletin of the American Mathematical Society" is an historical and critical review of mathematical science, appearing ten times a year. It contains the proceedings of the Society. Publication begun in October, 1891.

Officers for 1898 are as follows: President, Simon Newcomb; First Vice-President, R. S. Woodward; Second Vice-President, E. H. Moore; Secretary, F. N. Cole; Treasurer, Harold Jacoby; Librarian, Pomeroy Ladue.

COMMITTEE ON PUBLICATION: Thomas S. Fiske, Alexander Ziwet, Frank Morley.

OTHER MEMBERS OF THE COUNCIL: To serve until 1899, E. W. Hyde, W. Woolsey Johnson, B. O. Peirce; To serve until 1900, Alfred Baker, G. W. Hill, Emory McClintock; To serve until 1901, W. W. Beman, A. W. Phillips, J. M. Van Vleck.

PAST PRESIDENTS: J. H. Van Amringe, 1888-1890; Emory McClintock, 1890-1894; G. W. Hill, 1895-1896.

NEW YORK SECTION OF THE AMERICAN CHEMICAL SOCIETY.

Organized under Charter of the Parent Society, April 29th, 1892. Total Membership 300, divided as follows: Active 282; Associate 18.

Meetings are held on the Friday after the first Monday of October, November, December, January, February, March, April, May and June.

Annual Meeting, the Friday after the first Monday in October.

Annual Dues for American Chemical Society, \$5.00. No Initiation Fee. No additional dues have been established for the Local Section.

Publishes "Proceedings," in the Journal of the American Chemical Society, now in its 19th volume.

Officers for the current year are: Chairman, Wm. McMurtrie; Secretary and Treasurer, Durand Woodman. These, together with A. A. Breneman, C. A. Doremus, and Albert C. Hale, constitute the Executive Committee.

The Library of the American Chemical Society is deposited with this Section.

THE NEW YORK ENTOMOLOGICAL SOCIETY.

Organized June 29th, 1892. Incorporated June 7th, 1893. Total Membership 122, divided as follows : Active 48 ; Corresponding 74.

Meetings are held at the American Museum of Natural History on the first and third Tuesday evenings of each month (except July, August and September).

Annual Dues, \$3.00 for active members. No Initiation Fee required.

Publishes "Journal of the New York Entomological Society," now in its sixth volume. Wm. Beutenmuller, Editor.

Officers for 1898 : President, E. G. Love ; Vice-President, C. F. Groth ; Recording Secretary, E. Daecke ; Corresponding Secretary, Ernest Shoemaker ; Treasurer, L. H. Joutel.

EXECUTIVE COMMITTEE : J. L. Zabriskie, Chas. Palm, E. Daecke, Herman Hug, R. Ottolengui.

PUBLICATION COMMITTEE : Wm. Beutenmuller, L. H. Joutel, C. F. Groth, C. Schaeffer.

AUDITING COMMITTEE : Chas. Palm, J. L. Zabriskie, Wm. Beutenmuller.

FIELD COMMITTEE : L. T. Münch, H. Loos.

PAST PRESIDENTS : Charles Palm, 1892 ; G. W. J. Angell, 1893 ; Wm. Beutenmuller, 1894 ; J. L. Zabriskie, 1895-96 ; Chas. Palm, 1897.

REPORT OF THE SECRETARY.

For the Year May, 1897 to May, 1898.

The Seventh Annual Directory was issued during the summer of 1897.

The Bulletins have been issued regularly, about the first of each month, from October to May, and have announced most of the papers read before the Societies.

The Council has held meetings on June 14th and Dec. 23rd, 1897, and March 10th, 1898, a quorum being present at each.

The total membership of the Alliance is indicated at the end of this pamphlet.

1055 names were included in the Seventh Annual Directory.

The grant of fifty dollars from the John Strong Newberry Fund for Original Research authorized by the Council on Feb. 25th, 1897, was awarded on June 14th, 1897, to Dr. Arthur Hollick, for aid in his studies of the Geology and Palaeontology of the Atlantic Coastal Plain. A paper by Dr. Hollick, embodying results reached in this research, entitled "Notes on Block Island," has recently been printed in the Annals of the New York Academy of Sciences.

A second grant of fifty dollars from the Newberry Fund, for aid in research in Palaeontology or Zoölogy, was authorized by the Council on March 10th, 1898.

A circular letter sent out by the officers of the Council, under authorization given May 20th, 1897, requesting contributions to the General Fund, followed by personal letters from the President and Secretary, yielded the sum of \$579.00.

The Building Committee submitted an important report on Dec. 23rd, 1897, which has since been printed and distributed.

Under authority of the Council a Committee arranged a banquet at the Hotel Savoy on the evening of March 16th, 1898, at which nearly two hundred persons were present, and appropriate addresses were made by several speakers.

REPORT OF THE TREASURER.

SOCIETIES' FUND.

May 20th, 1897 to May 20th, 1898.

1897.					
May 20.	Balance from old account	.	.	.	\$ 49 26
1898.					
May 20.	Interest to January 1, 1898	.	.	.	1 50
	Balance,	.	.	.	<u>\$50 76</u>

JOHN STRONG NEWBERRY FUND.

May 20th, 1897 to May 20th, 1898.

1897.					
May 20.	Balance from old account	.	.	.	\$1128 08
June 30.	Receipts for month as see p. 65 of				
	Cash Book	.	.	.	5 00
Nov. 30.	Receipts for month as see p. 67				
	of Cash Book	.	.	.	50 00
1898.					
May 19.	Interest to January 1st, 1898	.	.	<u>33 35</u>	<u>88 35</u>
					<u>\$1216.43</u>

DISBURSEMENT.

1896.					
July 15.	Giant to Arthur Hollick, Ph.D.,	.	.	.	<u>50 00</u>
					<u>\$1166 43</u>

REPORT OF THE TREASURER. — CONTINUED.

GENERAL FUND OF THE COUNCIL.

May 20th, 1897 to May 20th, 1898.

1897.			
May 20.	Balance from old account	\$852 44	
Nov. 18.	Subscriptions to expenses of Council as see p. 65 of Cash Book	160 00	
Dec. 10.	Subscriptions to expenses of Council as see p. 67 of Cash Book	177 00	
1898.			
Feb. 28.	Subscription to expenses of Council as see p. 69 of Cash Book	137 00	
Apl. 11.	Subscription to expenses of Council as see p. 71 of Cash Book	129 00	
May 20.	Interest to January 1st, 1898	28 91	631 91
			<u>\$ 1484 35</u>

DISBURSEMENTS.

1897.			
June 21.	Typewriting Treasurer's Report	1 75	
21.	Clerical assistance to Secretary	19 80	
Sept. 17.	Seventh Annual Directory	140 00	
Oct. 6.	October Bulletin	41 41	
Nov. 5.	November Bulletin	44 41	
Dec. 6.	December Bulletin	45 01	
1898.			
Jan. 6.	January Bulletin	45 46	
Feb. 7.	February Bulletin	45 36	
17.	Half tones for Report of Building Committee	15 00	
Mch. 5.	March Bulletin	45 50	
16.	Expense of Public Dinner	225 56	
Apl. 5.	April Bulletin	44 97	
5.	Printing Circulars and Envelopes and addressing same	184 63	
16.	Addressing Envelopes—Report of Building Committee	15 98	
30.	Printing Report of Building Committee	44 90	
May 5.	May Bulletin	44 38	1004 12
Balance			<u>\$480 23</u>

REPORT OF THE TREASURER. — CONTINUED.

RECAPITULATION.

Former Balance, Societies' Fund	.	.	.	\$ 49 26	
“ “ Newberry Fund	.	.	.	1128 08	
“ “ General Fund	.	.	.	<u>852 44</u>	\$2029 78

RECEIPTS.

Societies' Fund	.	.	.	.	.	1 50	
Newberry Fund	.	.	.	.	.	88 35	
General Fund	.	.	.	.	.	<u>631 91</u>	721 76
							<u>\$2751 54</u>

DISBURSEMENTS.

Newberry Fund	.	.	.	.	.	50 00	
General Fund	.	.	.	.	.	<u>1004 12</u>	1054 12
Total Balance	.	.					\$1697 42
Cash in Bank	.	.					\$1697 42

Correct,

FRANK D. SKEEL, }
 L. S. FOSTER, } *Auditors.*
 E. G. LOVE, }

PAPERS PRESENTED BEFORE THE SOCIETIES.

OCTOBER 1897 TO JUNE 1898.

J. A. ALLEN. — The Origin of the Migration of Birds. Linnæan Society, Oct. 26th.

The Red Squirrels of North America. Linnæan Society, March 8th.

T. F. ALLEN. — Additional Notes on Japanese Characeæ. Torrey Botanical Club, Nov. 24th.

WM. K. ALSOP. — The Composition of the Ashes of some raw Tanning Materials. (With J. H. Yocum.) Chemical Society, March 11th.

E. H. BABBITT. — A Report of the Work and Condition of the American Dialect Society. Academy of Sciences, Nov. 22nd.

G. E. BARTON. — A proposed new Form of Crucible Cover. Chemical Society, Dec. 10th.

WM. BEUTENMULLER. — Remarks on the North American Species of *Anthocharis*. Entomological Society, Oct 19th.

The two Species of *Eudæmonia* and their Larvæ. Entomological Society, Dec. 7th.

Remarkable Australian Hepialidæ. Entomological Society, Jan. 4th.

Two rare Indian Butterflies. Entomological Society, Feb. 15th.

Some rare Old World Sphingidæ. Entomological Society, March 1st.

Further Notes on the North American Species of *Euchloe*. Entomological Society, May 3rd.

M. BÔCHER. — The Theorems of Oscillation of Sturm and Klein. Mathematical Society, Dec. 29th.

On the Roots of Polynomials which satisfy certain linear Differential Equations of the Second Order. Mathematical Society, Dec. 29th.

The Theorems of Oscillation of Sturm and Klein (second paper). Mathematical Society, Feb. 26th.

Note on Poisson's Integral. Mathematical Society, April 30th.

C. L. BOUTON. — Some Examples of Differential Invariants. Mathematical Society, Dec. 29th.

WM. C. BRAISLIN. — Remarks on an immature Specimen of the Iceland Gull in a dark Phase of Plumage, from Long Island. Linnæan Society, May 24th.

C. L. BRISTOL. — Preliminary Report on the New York University Biological Expedition to the Bermudas, 1897. Academy of Sciences, Oct. 11th.

Measurements of a large Lobster caught off Sandy Hook. Academy of Sciences, May 9th.

ELIZABETH G. BRITTON. — A Revision of the Genus *Ophioglossum*, with description of a new species. Torrey Botanical Club, Nov. 9th.

An Account of the Mosses collected by Mr. Pierre Jay in Peru and Bolivia. Torrey Botanical Club, April 27th.

Description of a new Fossil Moss from Seattle, Washington, collected by Prof. I. C. Russell, with remarks on other fossil mosses. (With Arthur Hollick.) Torrey Botanical Club, May 10th.

N. L. BRITTON. — Remarks on some Species of *Senecio*. Torrey Botanical Club, Jan. 26th.

The Genus *Parthenium* in eastern North America. Torrey Botanical Club, March 30th.

E. W. BROWN. — Note on the Steering of an eight-oared Boat. Mathematical Society, Oct. 30th.

CHARLES BULLMAN. — The Auriferous Gravels of Colombia, South America. Academy of Sciences, Oct. 18th.

G. N. CALKINS. — Preliminary Report of the Columbia University Zoölogical Expedition to Alaska, 1897. Academy of Sciences, Oct. 11th.

The Origin of Nuclei in the Protozoa. Academy of Sciences, April 11th.

Report on the Hydroids collected at Puget Sound. (With P. F. Keppel.) Academy of Sciences, May 9th.

FRANK M. CHAPMAN. — The Mammals found within fifty miles of New York City. Linnæan Society, Oct. 12th.

An Exhibition of Lantern Slides of Birds in Nature. With remarks. Linnæan Society, Dec. 28th.

The Distribution of Birds in the State of Vera Cruz. Academy of Sciences, Jan. 10th.

From Vera Cruz to Mexico City. (Public Lecture). Linnæan Society, Feb. 3rd.

On the Pelicans of Pelican Island, Indian River, Florida. Linnæan Society, May 10th.

Remarks on the Relationships and Distribution of the Seaside Finches. Linnæan Society, May 24th.

THOMAS M. CHATARD. — The Aurex Sluice, a new Apparatus and Process for the Electrolytic Extraction of Gold from Ores. Chemical Society, April 15th.

A. S. CHESSIN. — Note on Hyperelliptic Integrals. Mathematical Society, Oct. 30th.

On some Points of the Theory of Functions. Mathematical Society, Dec. 29th.

F. D. CHESTER. — Krennerite from Cripple Creek, Colorado. Academy of Sciences, Feb. 21st.

H. L. CLARKE. — Notes on Bermuda Echinoderms. Academy of Sciences, May 9th.

T. D. A. COCKERELL. — Notes on three Species of *Xenoglossa* from New Mexico. Entomological Society, Oct. 5th.

F. H. CONRADSON. — Some Laboratory Experiments in Standardizing and Investigating Viscosimeters. Chemical Society, March 11th.

ROBERT N. CORNELISON. — A brief Review of the definite Chemical Substances used in Perfuming, with exhibit of products. Chemical Society, Dec. 10th.

HENRY E. CRAMPTON. — The early History of the Egg in *Molgula manhattensis*. Academy of Sciences, Dec. 13th.

Experiments on the Grafting of Pupæ of Lepidoptera. Entomological Society, Feb. 1st.

An important Instance of Insect Coalescence. Academy of Sciences, March 14th.

- E. DAECKE. — Note on the Habits of *Thecla damon*. Entomological Society, May 17th.
- H. S. DAVIS. — Shackleton's Photographic Confirmation of Young's Reversion Layer in the Sun. Academy of Sciences, Dec. 6th.
- WM. T. DAVIS. — Preliminary List of the Dragon Flies of Staten Island, with species new to the vicinity of New York. Entomological Society, April 5th.
- WM. S. DAY. — Recent Experiments concerning the Specific Heat of Water. Academy of Sciences, Feb. 7th.
A convenient Modification of Mance's Method of Measuring the Internal Resistance of a Battery. Academy of Sciences, April 4th.
- BASHFORD DEAN. — Further Notes on the supposed Paleozoic Lamprey — *Palaeospondylus gunni*. Academy of Sciences, Nov. 8th.
- F. W. DEVOE. — The Metal-cutting Beetle, *Zopherus mexicanus*. Microscopical Society, Dec. 3rd.
- L. E. DICKSON. — Orthogonal Group in a Galois Field. Mathematical Society, Dec. 29th.
- R. L. DITMARS. — The Growth and Transformations of Reptiles and Batrachians. Linnæan Society, Feb. 22nd.
The Transformations of Insects. Entomological Society, March 1st.
- R. E. DODGE. — Geography at the Toronto Meeting of the British Association. Academy of Sciences, Oct. 18th.
Scientific Geography in Education. Academy of Sciences, Jan. 17th.
- JACOB DOLL. — 1, Remarks on *Schinia brevis*. 2, Some Aberrations of *Vanessa antiopa*. Entomological Society, Dec. 7th.
- C. A. DOREMUS. — Review of Chemical and Physical Methods for examining Documents and Handwriting. Chemical Society, Feb. 4th.
- J. DOUGLASS. — The Progress of Mining and Metallurgy in this Country during the last Half-century. (Public Lecture.) Academy of Sciences, April 29th.

P. H. DUDLEY. — Micrometric Measurements. Microscopical Society, Dec. 17th.

The Completion of Relaying the Track of the Boston and Albany R. R. with 95-lb rails. Academy of Sciences, Jan. 3rd.

On the Use of the Dudley Stremmatograph for determining the strains produced in rails by moving trains. Academy of Sciences, Feb. 7th.

Strap Rails of the Mohawk and Hudson R. R. Academy of Sciences, June 6th.

WILLIAM DUTCHER. — Some Birds of the Thousand Islands, Saint Lawrence River, New York. Linnæan Society, Feb. 8th.

H. G. DYAR. — Notes on the Pyromorphidæ of New York. Entomological Society, Oct. 5th.

DANIEL GIRAUD ELLIOT. — Cats and the Lands they inhabit. (Public Lecture.) Linnæan Society, Jan. 6th.

H. ENDEMANN. — Necrological Notice of Dr. M. Alsberg. Chemical Society, Oct. 15th.

W. D. ENGLE. — The Action of Metallic Thio-Cynates upon Organic Chlorhydrins. Chemical Society, May 6th.

L. S. FOSTER. — Remarks on the Measurements of some of our common Hawks. Linnæan Society, Feb. 8th.

C. H. FULTON. — The Assay of Telluride Ores. Chemical Society, May 6th.

ARNOLD GRAF. — Studies on the Nucleolus. Academy of Sciences, Feb. 14th.

B. B. GRIFFIN. — A Description of some Marine Nemerteans of Puget Sound and Alaska. Academy of Sciences, March 14th.

GEORGE E. HALE. — The Function of Large Telescopes. (Annual Lecture.) Academy of Sciences, April 14th.

WM. HALLOCK. — A vertical Research Laboratory. Academy of Sciences, Nov. 1st.

Note on the Deep Well of Reibnik, Silesia. Academy of Sciences, Nov. 1st.

Calculated Curves for the Position of a Vibrating String. Academy of Sciences, Dec. 6th.

A Make-Circuit Pendulum. Academy of Sciences, March 7th.

N. R. HARRINGTON. — A new Organ in the Earthworm, *Lumbricus terrestris*. Academy of Sciences, Nov. 8th.

Report on the Crustacea of Puget Sound. Academy of Sciences, March 14th.

VALERY HAVARD. — The Common or English Names of Plants. Torrey Botanical Club, March 30th.

H. E. HAWKES. — The Limitations of Greek Arithmetic. Mathematical Society, April 30th.

TRACY E. HAZEN. — Notes on the Life-history of *Haematococcus* and other Freshwater Algae. Torrey Botanical Club, April 27th.

STEPHEN HELM. — The Characeæ. Microscopical Society, Feb. 4th.

E. R. HEWITT. — Technology of Glues. Chemical Society, March 11th.

P. R. HEYL. — Notes on the Theory of Light on the Hypothesis of a Fourth Dimension. Mathematical Society, Oct. 30th.

The Measure of the Bluntness of the Regular Figures in Four-dimensional Space. Mathematical Society, Feb. 26th.

B. F. HILL. — Petrographical Notes on a Suite of Rocks from Wyoming, collected by Prof. W. C. Knight, of Laramie. Academy of Sciences, May 16th.

G. W. HILL. — Intermediary Orbits in the Lunar Theory. Mathematical Society, Oct. 30th.

ROMEYN HITCHCOCK. — A new Process for the commercial Production of Oxygen. Academy of Sciences, Dec. 6th.

Industrial Applications of Oxygen. Academy of Sciences, March 7th.

E. H. HODGSON. — The Determination of Sulphur in Asphalts. Chemical Society, May 6th.

ARTHUR HOLLICK. — Recent Explorations for Prehistoric Implements in the Trenton Gravels. Academy of Sciences, Dec. 20th.

Notes on Block Island Geology and Botany. Academy of Sciences, Jan. 17th.

Description of a new Fossil Moss from Seattle, Washington, collected by Prof. I. C. Russell, with remarks on other fossil mosses. (With Elizabeth G. Britton.) Torrey Botanical Club, May 10th.

Recent Additions to the Cretaceous Flora of Staten Island. Academy of Sciences, May 16th.

- W. T. HORNADAY. — The Destruction of Bird Life in the United States. Academy of Sciences, March 14th.
- MARSHALL A. HOWE. — The Genus *Anthoceros* in North America. Torrey Botanical Club, Nov. 24th.
- G. S. HUNTINGTON. — The Eparterial Bronchial System of the Mammalia. Academy of Sciences, Feb. 14th.
- J. I. HUTCHINSON. — On the Tetrahedroid. Mathematical Society, Feb. 26th.
- J. D. HYATT. — Methods of Nature Study, illustrated by a Study of the Original Paper Maker, *Vespa maculata*. Microscopical Society, Dec. 3rd.
- ERNEST INGERSOLL. — Birds' Eggs from an Evolutionist's Point of View. Linnaean Society, Nov. 23rd.
A little Biography of the Whip-poor-will. Linnaean Society, April 26th.
- J. D. IRVING. — Contact Metamorphism of the Palisades Diabase. Academy of Sciences, April 18th.
- H. JACOBY. — Photographic Researches near the North Pole of the Heavens. Academy of Sciences, Jan. 3rd.
- F. E. JOHNSON. — Some Notes on the Carolina Wren. Linnaean Society, May 24th.
- L. H. JOUTEL. — (1) The Protective Habit of *Cotalpa lanigera*. (2) Mimicry, as shown by the resemblance to seeds of the eggs of the Walking-stick (*Diapheromera femorata*). Entomological Society, Jan. 4th.
The larva of *Ceruchus piceus*. Entomological Society, Feb. 15th.
- A. A. JULIEN. — The Elements of Strength and Weakness in Building Stones. Academy of Sciences, April 18th.
- J. F. KEMP. — Notes on some Eruptive Rocks from the Black Hills. Academy of Sciences, Dec. 20th.
Some Remarks on Titaniferous Magnetites. Academy of Sciences, May 16th.
- P. F. KEPPEL. — Report on the Hydroids collected at Puget Sound. (With G. N. Calkins.) Academy of Sciences, May 9th.

- C. J. KEYSER. — Some Theorems in n -dimensional Space. Mathematical Society, Dec. 29th.
- G. F. KUNZ. — On a new Find of huge Quartz Crystals in the West. Academy of Sciences, Feb. 21st.
- R. E. KUNZE. — Notes on *Anthocavi prima*. Entomological Society, March 1st.
- E. J. LEDERLE. — The Chemistry of Formaldehyde in Disinfection. Chemical Society, Nov. 5th.
Method of Analysis of cheap Alcoholic Liquors. Chemical Society, Feb. 4th.
- F. S. LEE. — The Function of the Ear and Lateral Line in Fishes. Academy of Sciences, Feb. 14th.
- E. J. LEVINE. — A Comparison of some Methods for Determination of Starch. Chemical Society, May 6th.
- WALLACE GOOLD LEVISON. — On a convenient Method of providing Infusoria and other Micro-organisms for Exhibition, resulting from their adhesion to gelatine photographic plates. Microscopical Society, April 1st.
- (1) Note on photographed Eye-piece Micrometers.
 - (2) Note on the Accumulation of Micro-organisms upon the Film as a Complication in the Washing of Gelatine Photographic Plates.
 - (3) Note on a simple and convenient Phosphoroscope. Academy of Sciences, April 4th.
- FRANCIS E. LLOYD. — On an abnormal Cone of *Pseudotsuga taxifolia*. Torrey Botanical Club, Dec. 14th.
On hypertrophied Bud-scales in *Pinus ponderosa*. Academy of Sciences, Jan. 10th.
Trees of the Pacific North-West. (Public Lecture.) Torrey Botanical Club, March 8th.
- MORRIS LOEB. — Recent Speculations concerning the Variability of Atomic Mass. Chemical Society, Jan. 7th.

E. O. LOVETT. — Note on the fundamental Theorems of Lie's Transformation Groups. Mathematical Society, Oct. 30th.

Point Transformations in Elliptic Coördinates of Circles having double contact with a Conic. Mathematical Society, Dec. 29th.

Certain Invariants of a Plane Quadrangle by projective Transformation. Mathematical Society, Dec. 29th.

Infinitesimal Transformation of Concentric Conics. Mathematical Society, April 30th.

Note on infinitesimal Projective Transformations. Mathematical Society, April 30th.

PARKER C. MCILHINEY. — Some Experiments in Thermo-Electric Pyrometry. Chemical Society, Oct. 15th.

A Method for determining the Resistance of Electrolytes. Chemical Society, Jan. 7th.

L. A. McLOUTH. — Exhibition of a photographic Facsimile of the *Jenaer Liederhandschrift*. Academy of Sciences, Nov. 22nd.

Notes on E. Joseph's *Kurenburg* Theory. Academy of Sciences, May 23rd.

WM. MCMURTRIE. — Some Records of recent Progress in Industrial Chemistry. Chemical Society, Oct. 15th.

L. MCWHOOD. — A Method of studying the Motor Effects of Music. Academy of Sciences, April 25th.

JAMES MACLAY. — Certain double minimal Surfaces. Mathematical Society, Feb. 26th.

D. S. MARTIN. — Geology at the Toronto Meeting of the British Association. Academy of Sciences, Oct. 18th.

Collecting in New York City 40 years ago. Entomological Society, Dec. 7th.

Notes on Geology of Columbia, South Carolina, and its Vicinity. Academy of Sciences, May 16th.

Archaeological Notes from near Columbia, S. C. Academy of Sciences, June 6th.

W. P. MASON. — A new Bacteria Counter. Chemical Society, March 11th.

J. A. MATHEWS. — The Action of Nitrils upon Aromatic Acids. Chemical Society, May 6th.

- A. P. MATTHEWS. — Chemistry of the Spermatozoa. Academy of Sciences, Nov. 8th.
The Physiology of Secretion. Academy of Sciences, April 11th.
- W. D. MATTHEW. — The Status of the Puerco Fauna. Academy of Sciences, Nov. 8th.
- C. HART MERRIAM. — Protective and Directive Coloration of Animals. (Public Lecture.) Linnæan Society, April 7th.
- F. J. H. MERRILL. — Recent Observations on the Geology of Greater New York. Academy of Sciences, Nov. 15th.
- MANSFIELD MERRIMAN. — The Probability of Hit on a Target when the Probable Error in Aim is known; with a comparison of the probabilities of hit by the methods of independent and parallel fire from mortar batteries. Mathematical Society, Oct. 30th.
- W. H. METZLER. — On the Excess of the Number of Combinations in a Set which have an even Number of Inversions over those which have an odd Number. Mathematical Society, Feb. 26th.
- E. H. MILLER. — Assay Corrections. Chemical Society, Nov. 5th.
- G. A. MILLER. — On the Limit of Transitivity of the multiply Transitive substitution Groups that do not contain the alternating Group. Mathematical Society, Dec. 29th.
On an Extension of Sylow's Theorem. Mathematical Society, Feb. 26th.
On the supposed five-fold Transitive Function of 24 Elements and $19! \div 48$ values. Mathematical Society, April 30th.
On the Hamilton Groups. Mathematical Society, April 30th.
- A. J. MOSES. — Exhibition of new Apparatus and Minerals, with remarks. Academy of Sciences, Feb. 21st.
- HERBERT NEHR. — Bone Development as shown by the Microscope. Microscopical Society, March 18th.
- SIMON NEWCOMB. — (Presidential address.) The Philosophy of Hyper-space. Mathematical Society.
- H. F. OSBORN. — A Palæontological Reconnaissance. Academy of Sciences, Oct. 11th.
The Origin of the Mammalia. Academy of Sciences, Dec. 13th.

- W. F. OSGOOD. — A new Proof of the Existence of a Solution of the Differential Equation $dy/dx=f(x,y)$, the Cauchy-Lipschitz condition not being imposed. Mathematical Society, Feb. 26th.
Example of a single-valued Function with natural Boundary, whose Inverse is also single-valued. Mathematical Society, April 30th.
- R. OTTOLENGUI. — Some Notes on the Lepidopterous Genus *Plusia*. Entomological Society, Jan. 18th.
- CHARLES PALM. — Exhibition of some rare Coleoptera collected by Dr. R. E. Kunze in Arizona, with notes on their habits. Entomological Society, March 15th.
- HERSCHEL C. PARKER. — Recent Explorations in the Rocky Mountains of Canada, including the first ascent of Mount Lefroy. (Public Lecture.) Academy of Sciences, Nov. 29th.
- W. K. PARMELEE. — Notes on the Habits of Turtles, with particular reference to those species found within 50 miles of New York City. Linnæan Society, Jan. 25th.
- F. C. PAULMIER. — Spermatogenesis in Hemiptera. Academy of Sciences, April 11th.
- JAMES PIERPONT. — The early History of the Galoisian Theory of Equations. Mathematical Society, Feb. 26th.
- F. J. POPE. — A preliminary Note on the Titaniferous Magnetites of Eastern Ontario. Chemical Society, May 6th.
- M. B. PORTER. — On the Roots of Bessel's Functions. Mathematical Society, Feb. 26th.
- T. R. PRICE. — Shall and Will in Living English Usage. Academy of Sciences, May 23rd.
- J. D. PRINCE. — Some Passamaquoddy Documents. Academy of Sciences, April 25th.
- L. RADLKOFER. — New Sapindaceae from South America. Torrey Botanical Club, Jan. 26th.
- W. M. RANKIN. — The Northrop Collection of Crustacea. Academy of Sciences, March 7th.

- L. REUTER. — Notes on the Purity and Reaction of some Chemicals. Chemical Society, Dec. 10th.
- HEINRICH RIES. — The Clay and Kaolin Deposits of Europe. Academy of Sciences, March 21st.
- J. J. RILEY. — The Guano Deposits of the Islands of the Southern Pacific and their Prehistoric Remains. Academy of Sciences, Nov. 15th.
- AUGUSTE J. ROSSI. — Some curious Experiments with Petroleum. Chemical Society, Dec. 10th.
- H. H. RUSBY. — A new Genus of Asclepiadaceæ from Bolivia. Torrey Botanical Club, Feb. 8th.
 New Species of Piperaceæ from Bolivia, contributed by M. Casimir DeCandolle. Torrey Botanical Club, April 12th.
 An Afternoon on a Venezuelan Bayou. (Public Lecture.) Academy of Sciences, Jan. 31st.
- P. A. RYDBERG. — Botanical Exploration in Montana during the Summer of 1897. Torrey Botanical Club, Oct. 27th.
- P. L. SAUREL. — On Integrating Factors. Mathematical Society, Feb. 26th.
- C. SCHAEFFER. — Remarks on the Coleopterous Genera *Ceruchus* and *Platycerus*. Entomological Society, Feb. 15th.
 On the Species of *Omus*. Entomological Society, May 3rd.
- FRANK SCHLESINGER. — The Præsepe Group; Measurement and Reduction of the Rutherford Photographs. Academy of Sciences, April 4th.
- C. A. SCOTT. — Note on Linear Systems of Curves. Mathematical Society, Oct. 30th.
- OTTO SEIFERT. — The Results of some Experiments on the Effects of Heat and Cold on the Larvæ and Pupæ of Lepidoptera. Entomological Society, April 5th.
- H. C. SHERMAN. — Preliminary Note on the Use of Taka-Diastase as a Laboratory Reagent. Chemical Society, April 15th.
- ERNEST SHOEMAKER. — Sugaring for Moths in Brooklyn, with notes on the date of capture. Entomological Society, Dec. 21st.

E. G. SIHLER. — The latter Part of Lucretius and Epicurus *περὶ μετεώρων*.
Academy of Sciences, March 28th.

FRANK D. SKEEL. — The Mechanism and Theory of Vision. Micro-
scopical Society, March 4th.

J. K. SMALL. — Notes on *Eriogonum*. Torrey Botanical Club,
Oct. 27th.

The genus *Bumelia* in the Southern States. Torrey Botanical
Club, Jan. 26th.

EUGENE SMITH. — Notes on the Turtles and Lizards of the Vicinity of
New York City. Linnæan Society, March 22nd.

H. J. SMITH. — Recent Archæological Investigations in British Columbia.
Academy of Sciences, January 24th.

EDMUND B. SOUTHWICK. — Economic Entomological Work in the
Parks of New York City. Entomological Society, March 15th.

G. P. STARKWEATHER. — A Solution of the Biquadratic by Binomial
Resolvents. Mathematical Society, April 30th.

J. H. STEBBINS. — Action of Sulphuric Acid on Thymol. Chemical
Society, March 11th.

A convenient Stirring Apparatus for the Laboratory. Chemical
Society, April 15th.

J. J. STEVENSON. — Report on the International Geological Congress,
St. Petersburg, August, 1897. Academy of Sciences, Oct. 18th.

The Debt of the World to Pure Science. (Presidential
Address.) Academy of Sciences, Feb. 28th.

G. E. STONE. — Exhibition of some unusual Manganese Alloys. Chem-
ical Society, Jan. 7th.

O. S. STRONG. — The Summer at the Zoölogical Laboratory, Woods
Hole, Mass. Academy of Science, Oct. 11th.

A new Point on the Innervation of the Lateral Line Organs.
Academy of Sciences, April 11th.

W. M. STRONG. — On the Necessity of Continuity in Euclid's Geometry.
Mathematical Society, April 30th.

ERNEST SETON THOMPSON. — The Mammals of the Yellowstone National Park. Linnæan Society, Dec. 14th.

The Summer Birds of the Yellowstone National Park. Linnæan Society, Jan. 11th.

The Mammals of North America. (Public Lecture.) Linnæan Society, March 17th.

E. L. THORNDIKE. — Experiments in Comparative Psychology. Academy of Sciences, Jan. 24th.

C. O. TOWNSEND. — The Influence of the Nucleus upon the Formation of Cell-walls. Torrey Botanical Club, March 30th.

C. C. TROWBRIDGE. — A new Method of coloring Lantern Slides by which Uniformity of Tint and Definition of Outline are obtained. Academy of Sciences, May 2nd.

Specific Heat of Metals at Low Temperatures. Academy of Sciences, May 2nd.

S. A. TUCKER. — A few Remarks on the Persulphates. Chemical Society, May 6th.

L. M. UNDERWOOD. — The Species of *Botrychium* of the *B. ternatum* Group. Torrey Botanical Club, May 10th.

E. B. VAN VLECK. — On the Polynomials of Stieltjes. Mathematical Society, April 30th.

A. G. WEBSTER. — Note on Stokes' Theorem in Curvilinear Coördinates. Mathematical Society, April 30th.

F. M. WEBSTER. — Notes on several Species of Coleoptera. Entomological Society, Dec. 21st.

STEWART WELLER. — A New Crinoid from the Carboniferous of Kansas. Academy of Sciences, Nov. 15th.

Devonian Crinoids and Blastoids from Milwaukee, Wis. Academy of Sciences, Feb. 21st.

J. R. WHEELER. — The newly discovered Poems of Bacchylides. Academy of Sciences, March 28th.

H. S. WHITE. — Inflexional Lines, Triplets, and Triangles associated with the plane cubic curve. Mathematical Society, Feb. 26th.

The Construction of special Regular Reticulations on a closed Surface. Mathematical Society, April 30th.

J. K. WHITTEMORE. — A Proof of the Theorem $\frac{\delta^2 f(x, y)}{\delta x \delta y} = \frac{\delta^2 f(x, y)}{\delta y \delta x}$. Mathematical Society, April 30th.

E. B. WILSON. — Considerations on Cell Lineage and Ancestral Reminiscence, based on a re-examination of some points in the development of Annelids and Polyclades. Academy of Sciences, Dec. 13th.

On the Structure of Protoplasm in the Eggs of Echinoderms and some other Animals. Academy of Sciences, May 9th.

DURAND WOODMAN. — The Technical Analysis of Anthracite Coal. Chemical Society, Dec. 10th.

The Technical Analysis of Coal. Second Paper. Chemical Society, Jan. 7th.

ANTHONY WOODWARD. — Foraminifera found in the Borings from Artesian Wells located in New Jersey and Alabama. (With Lewis Woolman.) Microscopical Society, Jan. 7th.

B. D. WOODWARD. — The Vowels of the Roumanian and other Romance Languages. Academy of Sciences, March 28th.

R. S. WOODWARD. — The Mass of the Earth's Atmosphere. Academy of Sciences, Oct. 4th.

On the Cubic Equation defining the Laplacian Envelope of the Earth's Atmosphere. Mathematical Society, Oct. 30th.

On the Integration of a System of simultaneous linear Differential Equations. Mathematical Society, Oct. 30th.

On the Differential Equations defining the Laplacian Distribution of Density, Pressure, and Acceleration of Gravity in the Earth. Mathematical Society, Dec. 29th.

On the Significance of the Product of the Gravitational Constant and the Mean Density of the Earth. Mathematical Society, Feb. 26th.

LEWIS WOOLMAN. — Foraminifera found in the Borings from Artesian Wells located in New Jersey and Alabama. (With Anthony Woodward.) Microscopical Society, Jan. 7th.

E. O. WOOTON. — Botanizing in New Mexico during the Summer of 1897. Torrey Botanical Club, Dec. 14th.

J. H. YOCUM. — Recent Progress in the Chemistry of the Leather Industry. Chemical Society, Feb. 4th.

The Composition of the Ashes of some raw Tanning Materials.
(With Wm. K. Alsop.) Chemical Society, March 11th.

J. L. ZABRISKIE. — The curious Proctotrypid Hymenopteron *Dryinus*, with chelate anterior Tarsi. Entomological Society, Jan. 4th.

DIRECTORY.

NOTE : The letters following the address indicate membership in the Societies of the Alliance, viz. — "A" New York Academy of Sciences ; "B" Torrey Botanical Club ; "C" New York Section of the American Chemical Society ; "E" New York Entomological Society ; "L" Linnean Society of New York ; "M" New York Microscopical Society ; "Ma" American Mathematical Society ; "Mi" New York Mineralogical Club.

ABBEY, CHARLES P., 409 Ninth St., Brooklyn, N. Y.	M
ABBOTT, FRANK, M. D., 51 West 57th St.	M
ADAMS, EDW. D., 455 Madison Ave.	A
ADRIANCE, J. S., 105 East 39th St.	C
AGARD, MISS SARAH J., 137 Western Ave., St. Paul, Minn.	B
AKHURST, JOHN, 78 Ashland Place, Brooklyn, N. Y.	L
ALEXANDER, CHARLES B., 120 Broadway	A
ALEXANDER, HENRY M., 10 West 54th St.	A
ALEXANDER, JEROME, 502 West 45th St.	C
ALLEN, CHARLES L., Floral Park, N. Y.	B
ALLEN, G. S., M. D., 51 West 37th St.	A
ALLEN, J. A., PH.D., Am. Mus. Nat. History.	A, B, L
ALLEN, JOSEPH, College of the City of New York	Ma
ALLEN, PROF. T. F., M. D., 3 East 48th St.	A, B
ALLISON, WILLIAM O., 100 William St.	C
ALPERS, WILLIAM C., Bayonne, N. J.	B
ALSOP, WILLIAM K., 30 Ferry St.	C
AMEND, B. G., 205 Third Ave.	A, C, Mi
AMEND, OTTO P., 205 Third Ave.	B, C
ANDERSON, A. A., 93 Fifth Ave.	A
ANDERSON, A. J. C., 127 Water St.	M
ANDREINI, J. M., 29 West 75th St.	A
ANDREWS, MISS MARY S., 283 Elizabeth St.	B
ANGELL, G. W. J., 19 South St., Stamford, Conn.	E
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ANTHONY, R. A., 591 Broadway	A
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APPLETON, MISS MARY, Riverdale, N. Y. City	B
ARNOLD, E. S. F., M. D., Nat. Hist. Society, Newport, R. I.	A, Mi
ASHBY, GEORGE E., 80 Pine St.	M, Mi
ASPINWALL, JOHN, Barrytown, N. Y.	M
ASTOR, JOHN JACOB, 23 West 26th St.	A
AUSTEN, PROF. P. T., PH.D., 346 Broadway	C
AVERILL, C. K., 235 Myrtle Ave., Bridgeport, Conn.	L
AVERY, SAMUEL P., 4 East 38th St.	L
AVERY, MRS. SAMUEL P., 4 East 38th St.	L
AXTELL, FRANK C., Celluloid Mfg. Co., Newark, N. J.	C
AYRES, SERENO N., 170 Broadway	M
BAEKELAND, LEO, M. D., Nepera Park, N. Y.	C
BAILEY, MISS HARRIET B., 33 Northampton Road, Amherst, Mass.	B
BAILEY, JAMES M., 77 Madisol Ave.	A
BAILEY, RALPH W., 1165 East Jersey St., Elizabeth, N. J.	C
BAKER, HAYDN M., M. D., 27 Hart St., Brooklyn, N. Y.	C
BAKER, THEODORE, P. O. Box 281, Keyport, N. J.	C
BALDWIN, HERBERT B., 906 Broad St., Newark, N. J.	C
BARNHART, JOHN H., Tarrytown, N. Y.	B
BARRÓN, LEONARD, Rhinelander Building, Rose and Duane Sts.	B
BARSTOW, DONALD M., M. D., P. O. Box 57, Flushing, N. Y.	B
BARTLEY, E. H., M. D., 21 Lafayette Ave., Brooklyn, N. Y.	C
BASTEDO, W. A., 121 West 61st St.	B
BAXTER, GEORGE S., JR., 18 Wall St.	L
BAXTER, JAMES N., Division and Canton Sts., Brooklyn, N. Y.	B
BEACH, FREDERICK C., 361 Broadway	A
BEACH, MISS GRACE B., 322 St. Nicholas Ave.	L
BEARD, DANIEL C., Flushing, N. Y.	L
BEARDSLEY, WALLACE B., 805 Amsterdam Ave., N. Y.	C
BEATTY, A. CHESTER, 3 East 9th St.	A
BECK, FANNING C. T., 78 East 56th St.	A
BEEKMAN, GERARD, 5 East 34th St.	L
BEERS, M. H., 408 Broadway	L

BELMONT, AUGUST, 23 Nassau St.	L
BENNETT, HENRY C., 256 West 42d St.	M
BERINGER, GEORGE M., 5th and Federal Sts. Camden, N. J.	B
BERRIAN, CHARLES M., 88 Wall St.	L
BERRY, EDWARD W., 42 Irving Place, Passaic, N. J.	B
BERRY, W. G., 24 Whitehall St.	C
BEST, GEORGE N., M. D., Rosemont, N. J.	B
BEUTENMÜLLER, WM., Am. Mus. Nat. History	B, M, E
BEYER, GUSTAVE, 511 East 117th St.	E
BICKMORE, A. S., PH. D., Am. Mus. Nat. History.	A
BICKNELL, EUGENE P., 32 Nassau St.	B
BIEN, JULIUS, 140 Sixth Ave.	A
BIGGS, CHARLES, 13 Astor Place	A
BIRD, HENRY, Rye, N. Y.	E
BIRD, HERBERT S., Ninth St. and Gowanus Canal, Brooklyn, N. Y.	C
BIRD, M. LANGDON, 168 Lexington Ave.	L
BISCHOFF, ERNST, 87 Park Place	C
BISHOP, LOUIS B., M. D., 77 Whitney Ave., New Haven, Conn.	L
BLACKBURN, C. V., 472 Palisade Ave., Hoboken, N. J.	E
BLACKMORE, HENRY S., 206 South Ninth Ave., Mount Vernon, N. Y.	C
BLAKE, EDWIN M., PH. D., 230 Washington Ave., Brooklyn, N. Y.	Ma
BLAKE, ELI W., 11 Broadway	L
BLAKE, GEOGRE H., 12 Highland Ave., Jersey City, N. J.	M
BLAKE, J. A., M. D., 437 West 59th St.	A
BLAKESLEE, GEORGE W., 26 West 26th St.	M
BLISS, PROF. CHARLES B., University Heights	A
BLOCK, JOHN G., 25 Hague St., Jersey City, N. J.	B
BOAS, FRANZ, PH. D., Am. Mus. Nat. History	A
BOGERT, PROF. MARSTON T., Columbia University	C
BOHM, L. K., 115 Nassau St.	C
BOLLES, REV. E. C., D. D., Melrose, Mass.	B, M
BOLTON, H. CARRINGTON, Cosmos Club, Washington, D. C.	A
BOND, FRANK S., 38 West 51st St.	L
BOOKMAN, S., 9 East 62nd St.	C
BOORAEM, J. V. V., 204 Lincoln Place, Brooklyn, N. Y.	C

BORLAND, C. R., Oakland, N. J.	C
BOYD, JAMES, 12 Franklin St.	A
BOYER, C. S., 3223 Clifford St., Philadelphia, Pa.	B
BOYNTON, J. S., M. D., Canarsie, Brooklyn, N. Y.	B
BRADLEY, EDSON, 45 Broadway	C
BRAISLIN, WILLIAM C., M. D., 217 St. James Place, Brooklyn, N. Y.	L
BRENEMAN, PROF. A. A., 97 Water St.	C
BRIGGS, T. B., 115 East 73d St.	M
BRIGGS, T. LYNTON, Undercliff, Bergen County, N. J.	C
BRISTOL, PROF. CHARLES L., New York University	A
BRISTOL, JNO. I. D., 45 West 74th St.	L
BRISTOL, MISS MAY, 52 East 23d St.	B
BRITTON, MRS. ELIZABETH G., New Dorp, Staten Island, N. Y.*	B
BRITTON, PROF. N. L., PH. D., 63 East 49th St.	A, B, M
BROADHURST, W. HOMER, 294 Lafayette Ave., Brooklyn, N. Y.	C
BROCKWAY, F. J., M. D., 183 West 73d St.	A
BROOKFIELD, MRS. W., 516 Madison Ave.	B
BROWN, HON. ADDISON, 45 West 89th St.	A, B
BROWN, A. S., 160 West 76th St.	A
BROWN, MRS. HELENA C., 45 West 89th St.	B
BROWN, JOSEPH E., 123 Remsen St., Brooklyn	M
BROWN, E. C., 741 St. Nicholas Ave.	A
BROWN, STEWARDSON, Germantown, Philadelphia, Pa.	B
BROWNELL, SILAS B., 322 West 56th St.	A
BRUCE, CATHARINE W., 810 Fifth Ave.	A
BRÜCK, MRS. L., 1234 Bloomfield St., Hoboken, N. J.	B
BRUCKMANN, G. T., 192 Eighteenth St., Brooklyn, N. Y.	C
BUNKER, HENRY A., M. D., 158 Sixth Ave., Brooklyn, N. Y.	C
BURCHELL, JAMES, 38 East 53d St.	E
BURGESS, PROF. EDWARD S., 11 West 88th St.	B
BURLEIGH, WILLIAM, West Bergen Steel Works, Jersey City, N. J.	C
BURNETT, DOUGLASS, 42 Livingston St., Brooklyn, N. Y.	A
BURR, PROF. W. H., Columbia University	A
BURTON, H. C., 228 South St.	L
BUTLER, PROF. NICHOLAS MURRAY, Columbia University	A

CAHN, LAZARD, 143 East 21st St.	Mi
CALEF, H. W., Room 327, Produce Exchange	M
CALKINS, GARY N., The Beresford, 1 West 81st St.	A
CAPPON, THOMAS W., 311 Manhattan Ave., Brooklyn, N. Y.	C
CARNRICK, JOHN, M. D., 756 Park Ave.	M
CARPENTER, MISS IDALETTE, Maplewood, N. J.	B
CARVALHO, BERTRAM M., 42 East 133d St.	Mi
CARY, ALBERT A., 28 Cliff St.	Mi
CASEY, CAPT. THOMAS L., Norfolk, Va.	A
CASSARD, WILLIAM J., 139 West 70th St.	L
CASSEBEER, H. A., JR., 255 Columbus Ave.	B, L
CASWELL, JOHN H., 11 West 48th St.	A
CATHCART, CHARLES S., New Brunswick, N. J.	C
CATTELL, PROF. J. McK., Columbia University	A
CAWLEY, JOHN, 278 Passaic St., Newark, N. J.	C
CHAMBERLAIN, ARTHUR, 237 N. 7th St., Roseville, Newark, N. J.	Mi
CHAMBERLAIN, L. F., M. D., 128 Fifth Ave.	A
CHAMBERLIN, W. E., M. D., 22 Van Winkle St., Jersey City, N. J.	C
CHANDLER, PROF. C. F., Ph. D., M. D., Columbia University	A, C
CHAPIN, CHESTER W., 34 West 57th St.	A
CHAPMAN, FRANK M., Am. Mus. Nat. History	A, L
CHEESMAN, TIMOTHY M., M. D., 46 East 29th St.	A
CHESTER, PROF. ALBERT H., 39 College Ave., New Brunswick, N. J.	A, C, Mi
CHITTENDEN, J. BRACE, Ph. D., Columbia University	Ma
CHUBB, SAMUEL II., 8 West 115th St.	L
CLARK, EDMUND, 148 East 34th St.	C
CLARKE, CHARLES C., Grand Central Station	L
CLARKE, MRS. S. B., 1 West 81st St.	B
CLARKSON, FREDERICK, 45 William St.	L, E
CLEMENT, A. A., 26 West 50th St.	C
CLENEN, MISS JEANETTE, Ramsey, N. J.	B
CLUTE, WILLARD N., 63 East 49th St.	B
COBLENTZ, VIRGIL, College of Pharmacy, 115 W. 68th St.	C
COCHRAN, ALFRED, 931 Lafayette Ave., Brooklyn, N. Y.	C
COFFIN, CHAS. H., New Rochelle, N. Y.	B

COLBY, EDWARD A., 411 N. J. R. R. Ave., Newark, N. J.	C
COLE, PROF. FRANK N., Columbia University	Ma
COLLINGWOOD, FRANCIS, Elizabeth, N. J.	A, M
COMMISKEY, ARCHIBALD F., 155 Sixth Ave., Brooklyn, N. Y.	C
COMSTOCK, FRED. H., 119 West 86th St.	Mi
CONKLING, HON. ALFRED R., 27 East 10th St.	A
CONROY, JOHN P., M. D., 235 East 125th St.	B
CONSTABLE, JAMES M., 240 Madison Ave.	L
CONSTANT, S. VICTOR, 420 West 23d St.	A
CONSTANTINE, T. A., JR., 764 Union Ave.	B
COOK, JAMES B., Memphis, Tenn.	A
COOK, S., Madison, N. J.	B
COOPER, HON. EDWARD, 12 Washington Square N.	A
COOPER, PROF. F. T., 177 Warburton Ave., Yonkers, N. Y.	A
CORNELISON, R. W., Bloomfield, N. J.	C
CORNISH, R. H., 123 Claremont Ave., Montclair, N. J.	A
COSTER, C. H., 27 West 19th St.	A
COTTIER, JOSEPH, 12 Congress St., Jersey City, N. J.	Ma
COURTNEY, GEO. L., 14 Dey St.	Mi
COX, CHARLES F., 54 East 67th St.	A, B, L, M
COYKENDALL, S. D., 280 Broadway	L
CRAIG, THOMAS, 259 Water St., Brooklyn, N. Y.	B, L
CRAMPTON, H. E., Columbia University	A
CRAWFORD, JOSEPH D., 2822 Frankford Ave., Philadelphia, Pa.	B
CROCKER, GEORGE A., 32 Cliff St.	L
CROW, A. EUGENE, 721 Western Boulevard	A
CRUMBIE, W. D., 402 Washington St.	C
CURTIS, CARLTON C., PH.D., Columbia University	B
CURTIS, PROF. HENRY S., Columbia University	A
CURTIS, PROF. JOHN G., M. D., 327 West 58th St.	A
CUTTS, HENRY E., 65 Columbia Heights, Brooklyn, N. Y.	C
DAECKE, ERICH, 4 West 14th St.	E
DAILEY, W. H., Denver, Colorado	A
DAL MOLIN, A. A., 30 East 18th St.	C
DALY, HON. CHAS. P., LL.D., 84 Clinton Place	A, L

DAMON, W. E., 13 Union Square	M
DAVIDSON, GEORGE, 28 Woodbine St., Brooklyn, N. Y.	C
DAVIES, WILLIAM G., 34 Nassau St.	A
DAVIS, J. WOODBRIDGE, PH. D., 523 West 173rd St.	A, Ma
DAVIS, WILLIAM T., 46 Stuyvesant Place, New Brighton, N. Y.	E
DAY, W. S., 203 West 85th St.	A
DEAN, PROF. BASHFORD, PH. D., Columbia University	A
DEBERMINGHAM, JOSÉ M., M. D., 113 West 43rd St.	M
DEFREMERY, J. L., 44 Broadway	C
DEGHUÉE, J. A., PH. D., 247 Harrison St., Brooklyn, N. Y.	C
DELAFIELD, MATURIN L., JR., Fieldston, Riverdale	B
DEMCKER, ROBERT, Unionport, N. Y.	B
DENISON, C. H., 97 Front St.	Mi
DENNISON, MISS HARRIET M., 856 East 138th St.	B
DENNETT, WM. S., M. D., 8 East 49th St.	A, Ma
DERBY, W. G., Laurel Hill, N. Y.	C
DE ROODE, RUDOLF J. J., 30 Broad St.	C
DEVEREAUX, WALTER B., Hotel San Remo	A
DE VINNE, THEODORE L., 300 West 76th St.	L
DEVOE, FREDERICK W., 101 Fulton St.	A, M
DEWITT, WILLIAM G., 88 Nassau St.	A, M
DICKERSON, EDWARD N., 253 Broadway	A, C
DIETERICH, CHARLES F., 45 Broadway	L
DIETZ, OTTOMAR, 22 North William St.	E
DITMARS, RAYMOND L., 1666 Bathgate Ave.	E, L
DIX, REV. MORGAN, S. T. D., 27 West 25th St.	A
DI ZEREGA, LOUIS A., M. D., 49 West 39th St.	L
DODGE, CLEVELAND H., 11 Cliff St.	L
DODGE, F. E., 316 Bowne Ave., Flushing, N. Y.	C
DODGE, PROF. R. E., Teachers College	A
DODGE, WILLIAM E., 262 Madison Ave.	A, L
DOERFLINGER, WILLIAM F., 85 Lafayette Ave., Brooklyn, N. Y.	C
DOLL, JACOB, 151 Stanhope St., Brooklyn, N. Y.	E
DONALD, JAMES M., 11 Nassau St.	A
DONNER, J. O., North 3d and 1st Sts., Brooklyn, N. Y.	C

DOREMUS, PROF. CHAS. A., PH. D., 59 West 51st St.	A, C
DOREMUS, PROF. R. OGDEN, M. D., 241 Madison Ave.	A
DOSCHER, HENRY, 200 Hewes St., Brooklyn, N. Y.	C
DOUGHTY, MRS. ALLA, 254 West 57th St.	B
DOUGLAS, JAMES, 99 John St.	A
DOUGLAS, O. B., M. D., 123 East 36th St.	L
DOUGLAS, ALFRED, 170 West 59th St.	M
DOUGLASS, ANDREW E., 9 East 54th St.	A, L
DRAPER, MRS. M. A., 271 Madison Ave.	A
DRUMMOND, ISAAC W., M. D., 436 West 22d St.	A, C
DUDLEY, HENRY, 56 West 57th St.	A
DUDLEY, P. H., 80 Pine St.	A, M
DUN, R. G., 314 Broadway	L
DUNHAM, EDWARD K., M. D., 338 East 26th St.	A, C
DUNHAM, MRS. MARY, Irvington, N. Y.	B
DUNLAP, ROBERT, 111 West 72d St.	L
DUTCHER, WILLIAM, 145 Broadway	L
DuVIVIER, CHAS. L., 22 Warren St.	M
DWIGHT, JONATHAN, JR., M. D., 2 East 34th St.	A, L
DYAR, HARRISON G., PH.D., U. S. National Museum, Washington, D.C.	A, E
DYCKMAN, I. M., 15 East 71st St.	A
EACHUS, CHARLES, 30 Ferry St.	C
EAKINS, L. G., Perth Amboy, N. J.	C
EAMES, EDWIN H., M. D., 350 State St., Bridgeport, Conn.	B
EASTMAN, ROBERT W., M. D., 170 West 78th St.	L
ECCLES, ROBERT G., M. D., 191 Dean St., Brooklyn, N. Y.	B, C
EDGAR, MISS MARY, 32 West 38th St.	B
EDGAR, NEWBOLD, 28 East 39th St.	L
EDMONDSON, PROF. T. W., University Heights,	Ma
EGLESTON, PROF. THOMAS, PH. D., 35 Washington Square, W.	A
EHRENBERG, FREDERICK, 50 East 125th St.	B
EHRMAN, A. H., 312 Decatur St., Brooklyn, N. Y.	Mi
EIMER, AUGUST, 205 Third Ave.	C
EISNER, M. H., 120 East 27th St.	Mi
EKELEY, JOHN B., Garden City, N. Y.	C

ELBREG, ARTHUR G., 273 West 136th St.	M
ELLIOT, DANIEL G., F. R. S. E., Columbian Museum, Chicago, Ills.	L
ELLIOTT, PROF. A. H., PH.D., 4 Irving Place	A, C
ELLSWORTH, WILLIAM, 16 Lafayette Ave., Brooklyn, N. Y.	C, L
EMMONS, STEPHEN H., M. D., 1 Broadway.	C
ENDEMANN, HERMANN, PH.D., 23 William St.	C
ENEQUIST, JOHN, 1094 Bergen St., Brooklyn, N. Y.	C
ENGLISH, GEORGE L., 64 East 12th St.	A, Mi
ENO, WILLIAM PHELPS, 111 Broadway	A
ERICSON, CHARLES, 516 Manhattan Ave.	B
EVANS, EVAN M., M. D., Englewood, N. J.	L
EWING, MISS OLIVE M., Long Branch City, N. J.	B
EYERMAN, JOHN, Easton, Penn.	A
FADI, LOUIS, P. O. Box 106, Perth Amboy, N. J.	C
FAIR, HENRY D. M., Sing Sing, N. Y.	Mi
FARGO, JAMES C., 56 Park Ave.	A
FARLEY, MISS MARY, 751 East 143d St.	B
FARRAR, JOHN N., M. D., 1271 Broadway	A
FARRAND, LIVINGSTON, Columbia University	A
FARRINGTON, MISS RACHEL W., Lakewood, N. J.	B
FARWELL, OLIVER A., Detroit, Mich.	B
FAY, IRVING W., 544 Ninth St., Brooklyn, N. Y.	C
FAY, L. G., Naval Office	B
FAYEN, EMIL E., 49 Franklin St., Astoria, N. Y.	E
FERGUSON, H. B., M. D., College of Pharmacy	B
FERGUSON, W. C., 40 North Parsons Ave., Flushing, N. Y.	C
FIELD, C. DEPEYSTER, 21 East 26th St.	A
FILLION, PROF. FRANCIS, 101 Greene St.	E
FISHER, EDWARD D., M. D., 42 West 45th St.	M
FISKE, PROF. THOMAS S., PH. D., Columbia University	Ma
FITZGERALD, MRS. LOUIS, 253 Lexington Ave.	B
FITZ-RANDOLPH, RAYMOND B., Hoagland Laboratory, Brooklyn, N. Y.	C
FLEMMING, D. D., 249 Washington St., Jersey City, N. J.	M
FLEMMING, ROBERT L., 76 Montgomery St., Jersey City, N. J.	A
FLOYD-JONES, COL. DELANCEY, Union Club	B

FORD, JAMES B., 507 Fifth Ave.	A
FORREST, CHARLES N., Long Island City, N. Y.	C
FOSTER, MISS E. A., 117 West 90th St.	L
FOSTER, L. S., 33 Pine St.	A, L
FOSTER, SCOTT, 332 West 72d St.	A
FRANK, J. W., 734 East 14th St.	C
FRANKLAND, F. W., 346 Broadway	Ma
FRASER, HORATIO W., 262 Fifth Ave.	M
FRECKELTON, J. W., 169 Monroe St., Brooklyn, N. Y.	Mi
FREEBORN, GEORGE C., M. D., 215 West 70th St.	A
FREEDMAN, W. H., 157 West 119th St.	Ma
FREELAND, WILLIAM, 568 Fifth Ave.	Ma
FRENCH, SAMUEL A., 154 West 76th St.	L
FRICK, JOHN, 6 Liberty Place	Mi
FRIEDRICH, JAMES J., M. D., 131 East 52d St.	Mi
FRIES, HAROLD H., PH. D., 92 Reade St.	C
FRISSELL, A. S., 530 Fifth Ave.	A
FRIZELL, A. B., New York University	Ma
FRY, T. M., 36 West 24th St.	B
FULLER, ROBT. M., M. D., 136 West 42d St.	M
FURGUSON, GEORGE A., College of Pharmacy, 115 West 68th St.	C
GALLATIN, FREDERICK, 670 Fifth Ave.	A
GARRETTSON, FRANCIS T., 26 Broad St.	A
GEER, RUSSELL, Mills Hotel	M
GEISLER, JOSEPH F., 6 Harrison St.	C
GERBER, E., 147 Chambers St.	M
GERMANN, GEORGE B., Columbia University	Ma
GETMAN, F. H., 196 Atlantic St., Stamford, Conn.	C
GEYER, W. E., PH. D., Stevens Institute, Hoboken, N. J.	C
GIBBONS, MISS CONSTANCE, 1 West 81st St.	A
GIBBS, THEODORE K., 146 Broadway	L
GIBBS, MRS. VIRGINIA B., 62 West 21st St.	M
GIBIER, PAUL, M. D., 5 West 97th St.	A
GIDDINGS, PROF. F. H., Columbia University	A
GILBERT, B. D., Clayville, N. Y.	B

GILLET, LOUIS B., 131 East 76th St.	L
GILMAN, G. H., 71 Wall St.	Ma
GILMAN, THOMAS P., Palisades, N. Y.	B
GODKIN, E. L., 36 West 10th St.	A, L
GODLEY, GEO. McM., The Endicott, West 81st St.	C
GOLDSCHMIDT, S. A., Ph.D., 43 Sedgwick St., Brooklyn, N. Y.	C
GOODHART, LAWRENCE G., 1148 Park Ave.	B
GOODRIDGE, EDWIN A., M.D., 63 Jamaica Ave., Flushing, N. Y.	C, L
GORDON, ALEXANDER, 44 Montgomery St., Jersey City, N. J.	C
GORDON, REGINALD, Ph.D., Columbia University	A
GOTTHELF, AUGUST H., Hastings, N. Y.	C
GOULD, EDWIN, Dobbs Ferry, N. Y.	A
GOULD, FRANK J., Irvington, N. Y.	A
GOULD, GEORGE J., 195 Broadway	A
GOULD, MISS HELEN M., Irvington, N. Y.	A
GOULEY, J. W. S., M.D., 11 East 43d St.	A
GRAEF, JOSEPH E., 1420 Boston Road	E
GRANGER, WALTER W., Am. Mus. Nat. History	L
GRATACAP, LOUIS P., Am. Mus. Nat. History	Mi
GREACEN, THOMAS E., 65 West 48th St.	A
GREEN, HON. ANDREW H., 214 Broadway	A
GREEN, FREDERICK V., Nyack, N. Y.	Mi
GREENE, MISS JEANETTE B., M.D., 75 W. 55th St.	A, B
GREENWOOD, ISAAC J., 271 West End Ave.	L
GREGG, WILLIAM H., M.D., Port Chester, N. Y.	L
GREGORY, J. C., Nyack-on-Hudson, N. Y.	Mi, M
GRENZIG, J. A., 25 Start St., Brooklyn, N. Y.	Mi
GRIFFITHS, MISS IDA, 314 West 82d St.	Ma
GROSVENOR, W. M., JR., P. O. Box 183, Englewood, N. J.	C
GROTH, CHRISTIAN F., 139 East 40th St.	E
GROUT, A. J., Plymouth, N. H.	B
GUSTIN, G. H., 216 Murray St., Elizabeth, N. J.	C
HAAS, REV. G. C. F., 64 East 7th St.	M
HABIRSHAW, W. M., Yonkers, N. Y.	C
HADDEN, ALEXANDER, M.D., 155 East 51st St.	L

HAIGH, DeLagnel, 11 Broadway	C
HAINES, EDWIN I., New Rochelle, N. Y.	L
HALE, PROF. ALBERT C., 551 Putnam Ave., Brooklyn, N. Y.	C
HALE, FRANK M., 137 Glenwood Ave., Jersey City, N. J.	C
HALL, PROF. ROBERT W., Havemeyer Laboratory, University Heights	A, C
HALLOCK, A. P., PH. D., 440 First Ave.	C
HALLOCK, PROF. WILLIAM, 213 West 135th St.	A
HALSTED, PROF. BYRON D., New Brunswick, N. J.	B
HAMILTON, MISS ANNIE E., Baldwins, N. Y.	B
HARD, JAMES M. B., 107 Wall St.	M
HARPER, C. A. M.D., Columbia University	C
HARRIS, WILLIAM C., 385 Broadway	L
HARTMANN, C. F., 404 West 48th St.	E
HARTMANN, JACOB, M. D., 267 West 36th St.	L
HASCALL, MRS. VIRGINIA K., 110 East 16th St.	A
HASLWANTER, CHARLES, 260 West Broadway	C
HATIÉ, J. CAMOREAU, 42 West 75th St.	L
HAVARD, VALERY, M.D., Fort Slocum, New Rochelle, N. Y.	B
HAVEMEYER, H. O., 117 Wall St.	C
HAVEMEYER, H. O., JR., 244 Madison Ave.	L
HAVEMEYER, JOHN C., Yonkers, N. Y.	L
HAVEMEYER, WILLIAM F., 29 West 19th St.	A
HAWKINS, HENRY, Oakland, Bergen Co., N. J.	C
HAYNES, A. E., 81 New St.	L
HAYNES, D. O., 106 Fulton St.	C
HAYS, JOSEPH A., 147 South 18th St., Pittsburgh, Penn.	B, M
HAZARD, R. G., Peacedale, R. I.	L
HAZEN, ALLEN, 220 Broadway	C
HEINEMAN, HENRY N., M. D., 3 East 14th St.	A
HELLER, A. A., Minneapolis, Minn.	B
HELLER, MISS L. R., 115 East 82d St.	B
HELLER MAX, 76 East 90th St.	A
HELM, STEPHEN, 628 Columbus Ave.	M
HENSHAW, SAMUEL, New York Botanical Garden, Bronx Park	B
HERING, PROF. DANIEL W., University Heights	A

HERITAGE, B., Mickleton, N. J.	B
HERO, MISS ANN, Pratt Institute, Brooklyn	C
HERRESHOFF, J. B. F., 19 Pierrepont St., Brooklyn, N. Y.	C
HERRICK, HAROLD, 135 Broadway	L
HERRICK, WILLIAM H., 207 Greenwich St.	C
HERRMAN, MRS. ESTHER, 59 West 56th St.	A, L, Mi
HERTER, C. A., M. D., 839 Madison Ave.	A
HEWITT, HON. ABRAM S., LL. D., 9 Lexington Ave	A
HEWITT, EDWARD R., 119 East 18th St.	C
HEWSON, JAMES H., 872 Broad St., Newark, N. J.	C
HEYLYN, MRS. EDWARD, Pentre-Heylyn Lodge, Manchester, Conn.	B
HICKS, EDWIN F., 52 Beaver St.	C
HILL, GEORGE W., LL. D., West Nyack, N. Y.	Ma
HILL, J. E., Pratt Institute, Brooklyn, N. Y.	Ma
HILLS, FRANK G., Canarsie Station., Flatbush Ave., Brooklyn, N. Y.	B
HINTON, JOHN H., M. D., 41 West 32d St.	A
HITCHCOCK, MISS F. R. M., 4038 Walnut St., Philadelphia, Penn.	A, B, Mi
HODGES, H. B., Long Island City, N. Y.	C
HOE, HENRY, 91 John St.	A
HOFFMAN, REV. E. A., D. D., 1 Chelsea Square	A
HOFFMAN, S. V., Morristown, N. J.	A
HOLDEN, E. R., 13 East 79th St.	L
HOLLADAY, PROF. WALLER, Cooper Institute	Ma
HOLLICK, ARTHUR, PH. D., Columbia University	A, B
HOLMES, W., 469 Summer Ave., Newark, N. J.	B
HOLT, HENRY, 29 West 23d St.	A, L
HOMER, C. S., JR., 57 Broadway	C
HOOPER, PROF. FRANKLIN W., 71 St. James Place, Brooklyn, N. Y.	A
HOPPIN, W. W., 111 Broadway	A
HOPPING, ROY, 5 Dey St.	Mi
HORNADAY, WILLIAM T., 69 Wall St.	A
HORNE, WILLIAM D., Yonkers, N. Y.	C
HOVEY, E. O., Am. Mus. Nat. History	Mi
HOWARD, CLARENCE C., M. D., 57 West 51st St.	B
HOWE, ERNEST, 223 Durfee Hall, New Haven, Conn.	B

HOWE, PROF. HENRY M., Columbia University	A
HOWE, J. M., 58 West 47th St.	A
HOWE, M. A., Columbia University	B
HOWELL, JOHN W., Newark, N. J.	C
HOYT, ALFRED M., 1 Broadway	A
HUBBARD, PROF. O. P., M.D., 117 West 55th St.	A
HUBBARD, THOMAS H., 16 West 58th St.	L
HUBBARD, WALTER C., Room 25, Cotton Exchange	A, M
HUG, HERMAN, 400 Hudson St., Hoboken, N. J.	E
HULST, REV. GEORGE D., 15 Himrod St., Brooklyn, N. Y.	B
HUMASON, H. A., M. D., 42 West 76th St.	A
HUNT, JOSEPH H., M. D., 161 Quincy St., Brooklyn, N. Y.	B, Mi
HUNTINGTON, PROF. GEORGE S., M. D., 50 East 73d St.	A
HUNTINGTON, HARWOOD, M. D., 206 West Broadway	C
HUNTINGTON, S. V. V., 69 East 78th St.	C
HUNZIKER, AUGUST, M. D., Paterson, N. J.	C
HÜPFEL, J. CHR. G., 229 East 38th St.	L
HYATT, J. D., 69 Burling Lane, New Rochelle, N. Y.	M
HYDE, B. TALBOT B., 20 West 53d St.	L
HYDE, E. FRANCIS, 835 Fifth Ave.	A, L
HYDE, FREDERICK E., M. D., 20 West 53d St.	A, L
HYDE, FREDERICK E., JR., 20 West 53d St.	L
HYDE, FREDERICK S., 215 Schermerhorn St., Brooklyn, N. Y.	C
HYDE, HENRY ST. J., 210 East 18th St.	A, C, Mi
ILES, GEORGE, Park Avenue Hotel	A
INGERSOLL, ERNEST, 788 Broadway	L
INGERSOLL, MISS HELEN M., 788 Broadway	B
IRELAND, JOHN B., 31 Nassau St.	A, L
IRVING, JOHN, 550 Park Ave.	L
ISAACS, MISS ALICE M., 110 East 73d St.	B
ISHAM, C. BRADLEY, 30 East 63rd St.	L
IVISON, DAVID B., University Building, Washington Square E.	L
JACKSON, PROF. A. V. WILLIAMS, Columbia University	A
JACKSON, D. D., Flatbush Ave. & Eastern Parkway, Brooklyn	C
JACOBI, ABRAM, M. D., 110 West 34th St.	A

JACOBS, CHARLES B., Ampere, N. J.	C
JACOBUS, PROF. D. S., Stevens Institute, Hoboken, N. J.	Ma
JACOBY, PROF. HAROLD, Columbia University	A, Ma
JAGGERS, MISS MARGARET, 18 West 58th St.	E
JAMES, D. WILLIS, 40 East 39th St.	A
JELLIFFE, PROF. S. ELY, M. D., College of Pharmacy	B
JESUP, MORRIS K., 197 Madison Ave.	A
JESURUN, MORTIMER, M. D., Douglas, Wyoming	L
JOFFE, S. A., 22 East 103rd St.	Ma
JOHNSON, ALEXANDER B., M. D., 12 West 10th St.	L
JOHNSON, EMIL F., 96 Maiden Lane	C
JOHNSON, FRANK EDGAR, Yonkers, N. Y.	L
JOHNSON, WALTER A., 137 West 103rd St.	L
JOHNSTON, MISS MARGARET A., 95 Rivington St.	B
JONES, MISS BEATRICE, 21 East 11th St.	B
JONES, C. N., 127 West 58th St.	A
JONES, WALTER M., 60 West 94th St.	L
JOUTEL, LOUIS H., 164 East 117th St.	E
JULIEN, ALEXIS A., Ph. D., Columbia University	A, M
JULIEN, MISS FANNIE, 964 Lexington Ave.	B
KANE, J. I., 49 West 23d St.	B
KANE, S. NICHOLSON, Knickerbocker Club	A, L
KATO, FREDERICK, 236 Baldwin Ave., Jersey City, N. J.	Mi, M
KEAN, MRS. HAMILTON, 25 East 37th St.	B
KEARFOTT, WM. D., Montclair, N. J.	E
KEARNEY, T. H., JR., U. S. Dept. of Agric., Washington, D. C.	B
KEATOR, CHARLES E., Nostrand and Park Aves., Brooklyn, N. Y.	C
KELLOGG, MISS E. H., 1217 Bloomfield St., Hoboken, N. J.	B
KELSEY, JAMES A., Rutgers College, New Brunswick, N. J.	B
KEMP, PROF. JAMES F., 211 West 139th St.	A
KENDALL, E. DWIGHT, 177A St. James Place, Brooklyn, N. Y.	C
KENDALL, MRS. E. DWIGHT, Sewaren, N. J.	B
KENDIG, REV. A. B., 86 Vernon St., Brookline, Mass.	L
KENNEDY, J. S., 6 West 57th St.	A
KENT, WALTER H., Ph. D., 300 Washington St., Brooklyn, N. Y.	C

KEPPLER, RUDOLPH, 28 West 70th St.	L
KEVAN, WILLIAM, 20 West 22d St.	L
KEYSER, C. J., Columbia University	Ma
KEYSER, SAMUEL K., 14 East 36th St.	A
KIESSIG, C. H., 4 Gold St.	C
KING, F. T., 91 Columbia Heights, Brooklyn, N. Y.	C
KING, JOHN A., Great Neck, N. Y.	L
KIRBY, MRS. CHARLES M., Jamaica, N. Y.	B
KIRCHGASSER, W. C., 913 Temple Court Building	C
KIRSCH, LOUIS, 161 Roebling St., Brooklyn, N. Y.	Mi
KNEER, FERDINAND G., 236 West 51st St.	Mi
KNOOR, AUG. E., 145 High St., Perth Amboy, N. J.	C
KOSMAK, GEORGE W., 23 East 93d St.	M
KRUSKEL, NICHOLAS, M. D., 72 Delancey St.	C
KRAUSE, O. H., PH. D., 345 Fairmount Ave., Jersey City, N. J.	C
KRAUSI, WM. J., M. D., 216 East 17th St.	M
KROUT, PROF. A. F., 2132 N. 13th St., Phila., Pa.	B
KUDLICH, H. F., M. D., 56 West 17th St.	E
KUNTZE, PROF. DR. OTTO, Villa Girola, San Remo, Italy	B
KUNZ, GEORGE F., 15 Union Square	A, M, Mi
KUTTROFF, ADOLPH, 128 Duane St.	C
LABONDE, LEON, M. D., 174 Lincoln Ave., Newark, N. J.	C
LADUE, PROF. POMEROY, New York University	Ma
LA FARGE, BANCEL, 51 West 10th St.	L
LAGAI, G., PH. D., 17 Park Place	C, E
LAMB, OSBORN R., 356 West 22d St.	A
LANDER, BENJAMIN, Nyack, N. Y.	Mi
LANGDON, WOODBURY G., 719 Fifth Ave.	L
LANGE, F., M. D., 130 East 61st St.	L
LANGE, J. D., 220 West 79th St.	L
LANGMANN, G., M. D., 121 West 57th St.	B, L, E
LANGMUIR, A. C., 104 John St.	C
LAUDY, LOUIS H., PH. D., Columbia University	A
LAWALL, MISS L. K., 343 East 8th St.	B
LAWLER, CHARLES J., 9 Morton St., Brooklyn, N. Y.	C

LAWRENCE, A. E., 1 West 81st St.	A
LAWRENCE, JOHN B., JR., 126 East 30th St.	L
LAWRENCE, NEWBOLD T., 51 Liberty St.	L
LAWRENCE, RICHARD HOE, 31 Broad St.	B
LAWTON, J. M., 37 Fifth Ave.	A
LEALE, CHARLES A., M. D., 604 Madison Ave.	L
LEAR, F. G. P., 23 State St.	A
LE BOUTILLIER, CLEMENT, High Bridge, N. J.	C
LE BRUN, M. M., 8 Mountain Ave., Montclair, N. J.	A, B, M
LE BRUN, MRS. MARIA O., 8 Mountain Ave., Montclair, N. J.	B
LE CLEAR, THOMAS, 262 Fifth Ave.	M, C
LEDERLE, ERNST J., 471 West 143d St.	A, C, M
LEDoux, ALBERT R., PH. D., 98 John St.	A, C
LEE, PROF. FREDERICK S., M. D., College of Physicians and Surgeons	A
LEE, HENRY C., 127 East 21st St.	Mi
LEEDS, PROF. A. R., PH. D., 900 Hudson St., Hoboken, N. J.	A, C
LEEDS, MORRIS E., 3221 North 17th St., Philadelphia, Penn.	B
LEGGETT, F. W., 51 East 126th St.	M
LEGRAS, GUSTAVE, College of the City of New York	Ma
LEMBKE, CHAS. F., 21 Union Square	A
LEMMON, WILLIAM P., Englewood, N. J.	L
LENTER, DR. VICTOR, Columbia University	C
LESLIE, ROBERT, 64 West 53d St.	B
LEUTLOFF, HERMAN C. A., 611 East 136th St.	L
LEVISON, W. GOOLD, PH. D., 1435 Pacific St., Brooklyn, N. Y.	A, Mi
LEWIS, CHARLTON T., PH. D., 34 Nassau St.	Ma
LEWIS, MRS. JAMES F., 35 Mount Morris Ave.	B
LEWIS, WALTER H., JR., 11 East 35th St.	A
LIAUTARD, PROF. A., M. D., 141 West 54th St.	A, L
LICHTENSTEIN, PAUL, 48 Exchange Place	A
LIGHTHIPE, REV. L. H., South Jacksonville, Fla.	B
LINDBO, J. A., Stanton, Nebraska	B
LIVINGSTON, L. S., 149 Fifth Ave.	B
LLOYD, PROF. FRANCIS E., Teachers College	A
LOEB, PROF. MORRIS, PH. D., 118 West 72d St.	A, C

LOEB, SOLOMON, 37 East 38th St.	A
LOGAN, WALTER S., 27 William St.	L
LONG, MISS EMILIE O., 442 East 87th St.	B
LOOS, HERMAN, 119 East 115th St.	E
LORD, BENJAMIN, M. D., 34 West 28th St.	A, L
LOVE, E. G. PH. D., 80 East 55th St.	A, C, M, E
LOW, HON. SETH, LL. D., Columbia University	A, L
LOWERY, MRS. LOUISA, F. 280 49th St., Brooklyn, N. Y.	Mi
LUDLOW, GABRIEL, 95 Bayard St., New Brunswick, N. J.	C
LUQUER, LEA McI., Columbia University	A
LUSTER, HERBERT A., 28 Prospect St., Elizabeth, N. J.	C
LUTHER, MISS AGNES, 29 Walnut St., Newark, N. J.	Mi
LYON, PROF. APPLETON P., 1710 Main St., Peekskill, N. Y.	B
MCCARTY, EDWIN R., 242 West 58th St.	Mi
MCCCLINTOCK, EMORY, PH. D., LL. D., 32 Nassau St.	A, Ma
MCCOOK, COL. J. J., 10 West 54th St.	A
MCCRACKEN, H. M., LL. D., New York University	A
MCGEORGE, ARTHUR, Delevan and Dwight Sts., Brooklyn, N. Y.	C
MCILHINEY, PARKER C., PH. D., Columbia University	C
MCKELVEY, J. W., 813 Montgomery St., Jersey City, N. J.	C
MCKENNA, C. F., 221 Pearl St.	C
MCKENZIE, R. MONROE, P. O. Box 67, Rahway, N. J.	C
MCKIM REV. HASLETT, 33 West 20th St.	A, L
MCLAUGHLIN, CHAS. 874 Broadway	C
MCLAURY, FRANK H., M. D., 244 West 42d St.	M
McLOUTH, PROF. L. A., University Heights	A
McMILLIN, EMERSON, 40 Wall St.	A
McMURTRIE, WM., PH. D., 100 William St.	C
McNULTY, PROF. JOHN J., 17 Lexington Ave.	A
MACDONALD, A. J., 69 Wall St.	L
MACDOWELL, W. F., M. D., Medical Department, Barge Office	C
MACLAY, JAMES, Columbia University	Ma
MACY, C. A., 2d., 208 West 45th St.	A
MAITLAND, ALEXANDER, 45 Broadway	A, C
MAITLAND, ROBERT L., 10 East 35th St.	L

MALLORY, J. HALSEY, 539a Greene Ave., Brooklyn, N. Y.	C
MANGAM, DANIEL C., M. D., 95 Park Ave., Brooklyn, N. Y.	C
MAR, FRED. W., PH. D., Richmond Hill, Long Island, N. Y.	C
MARBLE, MISS DELIA W., Bedford, N. Y.	B
MARBLE, MANTON, Bedford, N. Y.	A
MARIÉ, PETER, 6 East 37th St.	A
MARQUAND, HENRY G., 11 East 68th St.	A
MARSTON, E. S., 20 William St.	A
MARTIN, PROF. DANIEL S., PH. D., 75 West 55th St.	A, Mi
MARTIN, I. C., The Monterey, West 114th St.	A
MASON, PROF. J. W., College of the City of New York	Ma
MASON, W. L., 156 Fifth Ave.	Mi
MATHESON, W. J., 184 Front St.	C
MATTHEWS, JOHN A., 4 First Place, Brooklyn, N. Y.	C
MATTHIESSEN, F. O., 117 Wall St.	C
MAY, GEORGE H., Hohokus, N. J.	C
MAYERS, MISS BERNICE, 314 Mott Ave.	B
MAYO-SMITH, PROF. RICHMOND, 305 West 77th St.	A
MAYWALD, F. J., 72nd St. and 10th Ave., Bay Ridge Park, Brooklyn, N. Y.	C
MEAD, WALTER H., 67 Wall St.	A, M, Mi
MEARNS, EDGAR A., M. D., U. S. A., Washington, D. C.	L
MEISEL, C. F. A., 402 Washington St.	C
MEITZEN, JULIUS, Belmont Ave. and Linwood St., Brooklyn, N. Y.	E
MELTZER, S. J., M. D., 66 East 124th St.	A
MENDELSON, WALTER, M. D., 159 West 74th St.	A
MERRILL, FRED. J. H., PH. D., N. Y. State Museum, Albany, N. Y.	A
MERZ, HENRY, 55 Maiden Lane	C
MESSINGER, H. J., JR., PH. D., Metropolitan Life Insurance Co.	Ma
METZGER, PROF. ROBERT, 244 East 52nd St.	E
MEYER, MAX, M. D., 58 East 114th St.	M
MEYER, P. C., Union Club	A
MILLER, E. B., 141 East 40th St.	B
MILLER, E. H., M. D., Columbia University	C
MILLER, E. S., Floral Park, N. Y.	B

MILLER, GEORGE N., M. D., 811 Madison Ave.	A
MILLER, MRS. H. M., 827 De Kalb Ave., Brooklyn, N. Y.	L
MILLER, P. SCHUYLER, 97 Prospect Place, Brooklyn, N. Y.	C
MILLER, WALDRON D. W., 309 La Grande Ave., Plainfield, N. J.	L
MILLS, A. G., 38 Park Row	L
MILLSPAUGH, D. T., M. D., 25 Totowa Ave., Paterson, N. J.	B
MILLWOOD, JAMES, 141 Skillman St., Brooklyn, N. Y.	C
MITCHELL, EDWARD, 31 East 50th St.	A
MITCHELL, JOHN MURRAY, 20 Broad St.	A
MOLEAUX, ROWLAND, 6 Jersey St., Newark, N. J.	C
MORGAN, J. L. R., 47 Bayard St., New Brunswick, N. J.	C
MORGAN, J. PIERPONT, 219 Madison Ave.	A
MORGAN, MISS MARIA, 113 East 19th St.	B
MORRIS, ROBERT T., M. D., 49 West 39th St.	L
MORTON, HENRY, PH. D., Stevens Institute, Hoboken, N. J.	C
MOSES, PROF, ALFRED J., Columbia University	A
MULFORD, MISS FANNY A., Hempstead, N. Y.	B
MULLER, HERMAN J., 674 East 142nd St.	B
MUNCH, LOUIS T., 235 East 56th St.	E
MUNSELL, C. E., PH. D., 110 Horatio St.	A, C
MURRAY, MISS C., 235 West 23d St.	B
MYERS, JOHN A., 12 John St.	C
MYERS, PROF. WILLIAM S., 98 Easton Ave., New Brunswick, N. J.	C
NASH, GEORGE V., New York Botanical Garden, Bronx Park	B
NEDHAM, MISS EMILY L., 23 West 82nd St.	M
NEDHAM, THOMAS S., 23 West 82d St.	M
NEHER, HERBERT, M. D., 350 West 48th St.	M
NELSON, MISS HELEN D., 35 East 29th St.	B
NEUSTADT, GEORGE M. S., 248 East 48th St.	C
NEWCOMB, ALBERT S., M. D., 206 West 71st St.	M
NICHOLS, GEO. L., 66 East 56th St.	A
NICHOLS, WILLIAM H., 32 Liberty St.	C
NIESE, H. E., Mathiessen & Wiechers, Jersey City, N. J.	C
NIVEN, WILLIAM, P. O. Box 681, High Bridge	A
NORTHROP, Mrs. A. R., 500 Warburton Ave., Yonkers, N. Y.	B

NOTT, F. J., M. D., 554 Madison Ave.	A
OAKES, F. J., 58 Stone St.	C
OGDEN, HENRY, 7 Pine St.	B
OLCOTT, E. E., 38 West 39th St.	A
ORTH, A., 194 Fulton St.	C
OSBORN, PROF. HENRY F., Columbia University	A, L
OSBORN, WILLIAM C., 273 Lexington Ave.	L
OSTERBERG, MAX, 11 Broadway	Ma
OTTENDORFER, OSWALD, 150 West 59th St.	A
OTTOLENGUI, R., D. D. S., 104 West 61st St.	E
PAGE, R. C. M., M. D., 31 West 33d St.	M
PAINE, A. G., JR., Times Building	L
PALM, CHARLES, 172 East 64th St.	E
PALMER, NOAH, 87 Bedford Ave., Brooklyn, N. Y.	M
PARISH, MISS EDITH, Putney, Vermont	B
PARKER, C. E., 150 Alden St., Orange, N. J.	C
PARKER, HERSCHEL C., Columbia University	A
PARKER, T. J., Bergen Point, N. J.	C
PARMELEE, C. W., Cor. of Green and West Sts., Brooklyn, N. Y.	C
PARMENTIER, H. A., M. D., 203 East 116th St.	M
PARMLY, D. D., 160 Broadway	A
PARSONS, C. C., M. D., 43 Sedgwick St., Brooklyn, N. Y.	C
PARSONS, MRS. FRANCES S., 176 Washington Ave., Albany, N. Y.	B
PARSONS, JOHN E., 111 Broadway	A
PARSONS, SCHUYLER L., 136 Pearl St.	C
PATTEN, JOHN, 27 Union Square	A
PEABODY, HON. CHARLES A., 70 West 21st St.	A
PECK, ROBERT L., 98 John St.	C
PELL, A., 58 William St.	M
PELL, ALFRED, 20 East 35th St.	A
PELLEW, PROF. CHARLES E., PH. D., Columbia University	A, C, M
PENNIMAN, RUSSELL S., Lock Box 26, Dover, N. J.	C
PERKHAM, W. H., 685 Madison Ave.	A
PERKINS, T. S., 39 Garden Place, Brooklyn, N. Y.	C
PERRY, PROF. E. D., Columbia University	A

PETERS, ANDREW, 291 Hancock St., Brooklyn, N. Y.	C
PETTIGREW, DAVID L., P. O. Box 75, Worcester, Mass.	A
PFISTER, J. C., Columbia University	A, Ma
PFORDTE, OTTO, 15 Donaldson Ave., Rutherford, N. J.	Mi
PHILLIPS, PROF. A. H., Princeton, N. J.	L
PHILLIPS, GEO. W., 120 Broadway	Ma
PHILLIPS, W. D., 77 Pine St.	C
PHOENIX, LLOYD, Union Club	A
PICKEL, PROF. J. M., Peekskill, N. Y.	C
PIERSON, ISRAEL C., Ph. D., 21 Cortlandt St.	A
PIFFARD, HENRY G., M. D., 256 West 57th St.	A
PINNEO, L. W., 29 West 55th St.	B
PITKIN, LUCIUS, Ph. D., 138 Pearl St.	A, C, M
PITMAN, JOHN R., Pompton Lakes, N. J.	C
PLUMLEY, G. L., 256 Broadway	Ma
POLLARD, CHARLES L., 1839 Fifth St., N. W., Washington, D. C.	B
POLLARD FRANK A., 413 St. Nicholas Ave.	B
POMEROY, CHARLES T., Ph. D., 55 Broad St., Newark, N. J.	C
POOLE, HERRMAN, 323 West 34th St.	C
POPE, W. M., 30 Tiffany Place, Brooklyn, N. Y.	C
PORTER, MISS ADELAIDE, 134 West 67th St.	B
PORTER, LOUIS H., 313 West 75th St.	L
PORTER, PROF. THOS. C., D. D., Lafayette College, Easton, Penn.	B
POST, C. A., 21 Washington Square, N.	A
POST, GEO. B., 11 West 21st St.	A
POWERS, MISS H. E., Baldwins, N. Y.	B
PRAY, JOSEPH M., 99 Nassau St.	L
PRENTICE, W. P., 52 Broadway	C
PRICE, PROF. THOMAS R., Columbia University	A
PRIME, F. E., 26 Broad St.	A
PRIME, TEMPLE, 26 Broad St.	A
PRIME, WILLIAM C., M. D., 38 East 23d St.	E
PRINCE, JOHN D., 19 West 34th St.	A
PROCHAZKA, G. A., M. D., 138 West 13th St.	C
PROCHAZKA, JOHN, 15 East 12th St.	C

PRUDDEN, PROF. T. MITCHELL, M. D., 437 West 59th St.	A
PUPIN, PROF. M. I., PH. D., 68 West 72d St.	A, Ma
QUACKENBOS, PROF. J. D., 331 West 28th St.	A
QUINTARD, C. H., Norwalk, Conn.	Mi
RABE, FRANZ, 244 East 52d St.	E
RAMSPERGER, GUSTAVUS, 236 East 23d St.	B
RAND, A. W., Plainfield, N. J.	B
RAYSON, MISS AMY, 176 West 75th St.	Ma
READ, DANIEL P., 268 West 73d St.	M
READ, MRS. HENRY, 99 Nassau St.	L
REES, PROF. JOHN K., Columbia University	A, Ma
REINUS, BERNHARD, Paterson, N. J.	C
RENWICK, EDWARD S., 19 Park Place	C, L
REUBENS, CHARLES M., 77 East 115th St.	C
REUTER, L. H., M. D., Merck's Building	C
RICE, PROF. CHARLES, PH. D., Bellevue Hospital	A, C
RICE, MRS. I. L., 48 West 72d St.	B
RICH, JACOB M., 50 West 38th St.	B
RICHARDS, EDGAR, 341 West 88th St.	C
RICHARDS, H. M., M. D., Barnard College	B
RICHARDSON, CLIFFORD, Long Island City, N. Y.	C
RICHARDSON, WM. M., Am. Mus. Nat. History.	L
RICKETTS, Prof. P. deP., PH. D., Columbia University	A, C
RIEDERER, LUDWIG, 145 West 94th St.	M, E
RIES, HEINRICH, PH. D., Cornell University, Ithaca, N. Y.	A, Mi
RIES, MRS. HEINRICH, 128 East Seneca St., Ithaca, N. Y.	B
RIGGS, G. W., Summit, N. J.	C
RIGGS, LOUIS W., M. D., Cornell University Medical College	C
RIKER, C. B., Maplewood, N. J.	L
RILEY, J. J., 77 Beaver St.	A
RILEY, R. HUDSON, Bensonhurst, N. Y.	A
RIVES, WILLIAM C., M. D., 22 West 33d St.	B, L
ROBB, HON. J. HAMPDEN, 23 Park Ave.	A, L
ROBBINS, S. H., 20 East 27th St.	L
ROBERTS, R. A., 72 Fifth Ave.	Ma

ROBINSON, ELIAS P., 322 Jay St., Brooklyn, N. Y.	C
ROBINSON, MRS. G. W., 339 West 57th St.	B
ROCKWELL, C. H., Tarrytown, N. Y.	Ma
ROEBLING, WILLIAM A., 117 Liberty St.	Mi
ROESER, FRED, 240 West 130th St.	C
ROGERS, MRS. AMOS, 165 West 80th St.	B
ROGERS, H. H., 26 East 57th St.	A
ROGERS, MISS J. E., 482 Lexington Ave.	B
ROOSEVELT, J. A., 4 West 57th St.	A
ROSCHÉ, JOHN, White Plains, N. Y.	Mi
ROSELL, C. A. O., Litho Building	C
ROSSI, AUGUSTE J., E. M., 35 Broadway	C
ROTHER, W. G., 226 Stuyvesant Ave., Brooklyn, N. Y.	Mi
ROUX, MISS ROSE T., 359 West 55th St.	B
ROWLEY, JOHN, Am. Mus. Nat. History	L
RUHL, LOUIS, P. O. Box 1999 N. Y. City	C
RUNDALL, CLARENCE A., Brewster, N. Y.	L
RUSBY, PROF. HENRY H., M. D., 908 De Graw Ave., Newark, N. J.	A, B, M
RUSSAK, FRANK, 46 Exchange Place	A
RUSSELL, MRS. ARCHIBALD D., Riverdale, N. Y. City	B
RUTH, ALBERT, Knoxville, Tenn.	B
RYDBERG, P. AXEL, 1777 Pacific St., Brooklyn, N. Y.	B
SAARBACH, LUDWIG, M. D., 23 William St.	C
SABIN, PROF. A. H., P. O. Box 85, Long Island City, N. Y.	C
SABINE, WILLIAM T., 960 Madison Ave.	A
SACHS, BERNARD, M. D., 21 East 65th St.	L
SANIAL, MISS MARIE L., 1180 Boston Ave.	B
SATTERLEE, F. LEROY, M. D., 8 West 18th St.	A
SATTERLEE, LIVINGSTON, New Brighton, Staten Island, N. Y.	A
SATTERLEE, MISS MARIAN, 31 East 28th St.	B
SAUNDERS, CHARLES J., 1441 North 16th St., Philadelphia, Penn.	B
SAUREL, P. L., College of the City of New York	Ma
SCHAEFFER, C., 213 West 88th St.	E
SCHAUS, WM., Ormonde Lodge, Twickenham, England	E
SCHEDLER, R. W., N. Y. Tartar Co., Brooklyn, N. Y.	C

SCHEEL, WILLIAM H., 78 Pine St.	C
SCHERMERHORN, F. A., 61 University Place	A
SCHERMERHORN, J. E., 25 East 79th St.	M
SCHERMERHORN, WILLIAM C., 49 West 23d St.	A
SCHERNIKOW, ERNEST, P. O. Box 3540, N. Y. City	Mi
SCHIEFFELIN, W. JAY, PH. D., 170 William St.	C
SCHILLER, LOUIS J., foot of Pearl St., Brooklyn, N. Y.	C
SCHIMPF, HENRY W., 372 West 35th St.	C
SCHLEICHER, F. J., Long Island City, N. Y.	C
SCHMIDT, A. EMIL, M. D., 448 East 59th St.	B
SCHOEDER, PAUL, 1280 Columbus Ave., N. Y. City	B
SCHOENEY, L., M. D., 1670 Lexington Ave.	M, B
SCHOONMAKER, WILLIAM D., 116 Duane St.	A, Mi
SCHOONOVEN, JOHN G., 165 Warren St., Brooklyn, N. Y.	B
SCHROEDER, EDWARD, 221 Pearl St.	C
SCHROETER, ANTON H., 230 East 23d St.	L
SCHULTZE, ARTHUR, PH. D., Boys High School	Ma
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SCHUPPHAUS, R. C., PH. D., 66 Broadway	C
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THE NEW YORK MICROSCOPICAL SOCIETY

THE LINNÆAN SOCIETY OF NEW YORK

THE NEW YORK MINERALOGICAL CLUB

THE NEW YORK SECTION OF THE AMERICAN CHEMICAL SOCIETY

THE NEW YORK ENTOMOLOGICAL SOCIETY

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1901

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Organized as the Lyceum of Natural History, February 24, 1817 ; chartered, April 20, 1818 ; reorganized as the New York Academy of Sciences, February 21, 1876.

Total membership 579, divided as follows : Resident Fellows, 96 ; Resident Members, 318 ; Corresponding Members, 206 ; Honorary Members, 45.

Meetings are held on Monday evenings from October to May.

Annual Dues, \$10.00. Initiation Fee, \$5.00.

Annual Meeting, the fourth Monday in February.

Number of meetings held October, 1899–June, 1900, 30 ; Public Lectures, 4.

PUBLICATIONS. Annals of the Lyceum of Natural History, 11 Volumes ; Proceedings of the Lyceum of Natural History, 2 series ; Annals of the New York Academy of Sciences, now in the 13th volume ; Transactions of the New York Academy of Sciences, 16 volumes. Memoirs, Vol. 1, Part I, and Vol. 2, Parts I and II. In addition to these, a number of Lists of Members and pamphlets on special subjects have been issued.

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SECTIONS are established in Astronomy, Physics and Chemistry, in Biology, in Geology and Mineralogy, and in Anthropology and Psychology.

The Library consists of about 11,000 volumes and bound pamphlets, now deposited in Schermerhorn Hall, Columbia University, and 350 volumes at the N. Y. Botanical Garden.

The Academy has no scientific collections.

PAST PRESIDENTS : Samuel L. Mitchell, 1817–1823 ; John Torrey, 1824–1826 ; and 1838 ; Joseph Delafield, 1827–1837 ; 1839–1865 ; Charles A. Joy, 1866–1867 ; John S. Newberry, 1868–1892 ; O. P. Hubbard, 1892–1893 ; H. Carrington Bolton, 1893–1894 ; J. K. Rees, 1894–1896 ; J. J. Stevenson, 1896–1898 ; H. F. Osborn, 1898–1900.

THE TORREY BOTANICAL CLUB.

Incorporated, April 21, 1871. Total membership 382, divided as follows : Active 237 ; Corresponding 142 ; Honorary 3.

Meetings are held on the second Tuesday evening and last Wednesday evening of each month from October to May inclusive.

Field Meetings are held every Saturday from April to January inclusive.

Annual Meeting, the second Tuesday in January.

Number of Meetings held May, 1898—May, 1899, 15 ; average attendance, 31.

Annual Dues, \$4.00. No Initiation Fee required.

Publishes "Bulletin," now in the 26th volume, and "Memoirs," now in the 8th volume.

Officers for 1901 are as follows : President, Addison Brown ; Vice-Presidents, T. F. Allen, Henry H. Rusby ; Recording Secretary, Edward S. Burgess ; Corresponding Secretary, John K. Small ; Treasurer, H. P. Ferguson ; Curator, P. A. Rydberg ; Librarian, Anna M. Vail ; Editor, L. M. Underwood ; Associate Editors, Anna Murray Vail, D. T. MacDougal, H. M. Richards, Marshall A. Howe, Carlton C. Curtis, Francis E. Lloyd, N. L. Britton.

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Scientific Collections consist of an Herbarium of several thousand specimens, illustrating the Flora within 100 miles of New York, deposited at the New York College of Pharmacy. The Library is incorporated with the Botanical Library of the New York Botanical Garden.

PAST PRESIDENTS : John Torrey, 1871-1873 ; Geo. Thurber, 1873-1880 ; John S. Newberry, 1880-1860 ; Addison Brown, 1890-1900.

THE NEW YORK MICROSCOPICAL SOCIETY.

Incorporated, 1877. Total Membership 101, divided as follows : Active 74 ; Corresponding 20 ; Honorary 7.

Meetings are held on the first and third Friday evenings of each month, from October to June, at the Mott Memorial Library, 64 Madison Avenue.

Annual meeting, the first Friday in January.

Number of meetings held May, 1899-1900, 16 ; average attendance, 21.

Annual Dues, \$5.00. Initiation Fee, \$5.00.

Publications : " Journal of the New York Microscopical Society," 13 volumes.

Officers for the year 1900 : President, John Aspinwall ; Vice-President, Alfred Douglass ; Recording Secretary, George E. Ashby ; Corresponding Secretary, J. L. Zabriskie ; Treasurer, James Walker ; Librarian, Frederick Kato ; Curator, George E. Ashby.

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COMMITTEE ON PUBLICATIONS : Rev. J. L. Zabriskie, F. W. Devoe, George W. Kosmak, Walter H. Mead, Charles S. Shultz.

The Library contains about 2,000 volumes and is deposited at the place of meeting.

The Cabinet contains about 5,000 specimens.

THE LINNÆAN SOCIETY OF NEW YORK.

Organized, March 7, 1878. Not incorporated. Total membership 186, divided as follows: Resident, 151; Corresponding, 34; Honorary, 1.

Meetings held at the American Museum of Natural History on the second and fourth Tuesday evenings of each month from October to May inclusive.

Annual Meeting, the first Meeting in March.

Number of Meetings held May, 1899–May, 1900, 16; average attendance, 17.

Annual Dues, \$3.00. Initiation Fee, \$2.00.

Publishes "Transactions," two volumes issued, and "Abstract of Proceedings," twelve numbers issued.

Officers for 1901–1902 are as follows: President, Jonathan Dwight, Jr.; Vice-President, William Dutcher; Secretary, W. W. Granger; Treasurer, L. S. Foster.

PUBLICATION COMMITTEE: J. A. Allen, W. W. Granger.

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The Library consists mainly of exchanges derived from publications.

PAST PRESIDENTS: C. Hart Merriam, 1878–1879; Eugene P. Bicknell, 1879–1887; Geo. B. Sennett, 1887–1889; J. A. Allen, 1889–1897; Frank M. Chapman, 1897–1899.

THE NEW YORK MINERALOGICAL CLUB.

Organized, 1887. Not incorporated. Total Membership 61, not classified.

Meetings are held monthly, but no definite dates are appointed, from October to June. Field excursions are held during the summer months.

Annual Meeting in April.

Number of Meetings held May, 1899–April 19, 1900, 9; average attendance, about 20.

The Club held two of its meetings jointly with the Section of Geology and Mineralogy of the N. Y. Academy of Sciences and two were in the form of public lectures at the American Museum of Natural History.

Annual Dues, \$1.00. No Initiation Fee required.

Officers for 1900–1901: President, George F. Kunz; Vice-president, Ernest Schernikow; Secretary, Edmund O. Hovey; Treasurer, J. W. Freckelton.

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The Club owns the B. B. Chamberlin collection of New York Island Minerals, deposited, with other strictly local specimens, in the American Museum of Natural History. Its object is particularly the study of the minerals of Manhattan Island and the vicinity, and the collection and preservation of data and mineral in relation thereto.

NEW YORK SECTION OF THE AMERICAN CHEMICAL SOCIETY.

Organized under Charter of the Parent Society, April 29, 1892. Total Membership, 362, divided as follows: Active, 380; Associate, 41.

Meetings are held on the Friday after the first Monday of October, November, December, January, February, March, April, May and June.

Annual Meeting, the Friday after the first Monday in June.

Annual Dues for American Chemical Society, \$5.00. No Initiation Fee.

No additional dues have been established for the Local Section.

Publishes "Proceedings," in the Journal of the American Chemical Society, now in its 20th volume.

Officers for the current year are: Chairman, C. A. Doremus; Secretary and Treasurer, Durand Woodman. These, together with C. F. McKenna, P. C. McIlhiney and E. H. Miller constitute the Executive Committee.

The Library of the American Chemical Society is deposited with this Section in the rooms of the Chemists' Club, 108 West 55th St.

THE NEW YORK ENTOMOLOGICAL SOCIETY.

Organized June 29, 1892. Incorporated June 7, 1893. Total Membership 122, divided as follows : Active, 48 ; Corresponding, 74.

Meetings are held at the American Museum of Natural History on the first and third Tuesday evenings of each month (except July, August and September).

Annual Dues, \$3.00 for active members. No Initiation Fee required.

Publishes "Journal of the New York Entomological Society," now in its ninth volume ; Wm. Beutenmuller, Editor.

Officers for 1901 : President, Wm. Beutenmuller ; Vice-President, W. D. Kearfott ; Recording Secretary, C. Schaeffer ; Corresponding Secretary, C. F. Groth ; Treasurer, L. H. Joutel.

EXECUTIVE COMMITTEE : W. D. Kearfott, Chas. Palm, Otto Seifert, Herman Hug, R. Ottolengui, C. F. Groth.

PUBLICATION COMMITTEE : Wm. Beutenmuller, L. H. Joutel, C. F. Groth, C. Schaeffer.

AUDITING COMMITTEE : Chas. Palm, H. G. Barber, Otto Seifert.

FIELD COMMITTEE : W. D. Kearfott, E. G. Love.

PAST PRESIDENTS : Charles Palm, 1892 ; G. W. J. Angell, 1894 ; Wm. Beutenmuller, 1894 ; J. L. Zabriskie, 1895-96 ; Chas. Palm, 1897 ; E. G. Love, 1898-99.

REPORT OF THE SECRETARY

For the Year May, 1899 to May, 1900.

The Ninth Annual Directory was issued in February, 1900.

The Bulletins have been issued regularly, about the first of each month, from October to May.

The Council has held meetings on May 18, 1899, and February 21, 1900.

The total membership of the Alliance is shown at the end of this Directory. 1,106 names were included in the Ninth Annual Directory.

The third grant of fifty dollars from the Newberry Research Fund, authorized January 19, 1899, was awarded to Professor Edward S. Burgess for aid in his studies of the genus *Aster*.

A fourth grant from this Fund was authorized on February 21, 1900.

REPORT OF THE TREASURER

For Year Ending May 17, 1900.

Balance on Deposit as per Last Annual Report.

General Fund	\$ 223 87	
Societies' Fund	1 94	
Newberry Fund	1166 73	\$1392 54

Receipts.

General Fund.....	\$ 575 83	
Societies' Fund	86 69	
Newberry Fund.....	50 23	
Building Fund.....	50 00	\$ 762 75
		2155 29

Disbursements.

General Fund.....	\$ 531 01	
Newberry Fund.....	50 00	\$ 581 01
Balance on deposit.....		\$1574 28

ACCOUNT OF GENERAL FUND OF COUNCIL.

Receipts.

1899.			
May 18.	Balance on deposit.....	\$ 223 87	
July 1.	Interest to date.....	3 99	
1900.			
Jan. 1.	Interest to date.....	3 34	
	Contributions.....	568 50	\$ 799 70

REPORT OF THE TREASURER.—Continued.

Disbursements.

1899.			
Oct. 11.	L. S. Foster, October Bulletin.....	\$ 36 50	
Nov. 13.	L. S. Foster, November Bulletin.....	36 50	
Dec. 6.	L. S. Foster, December Bulletin.....	36 50	
1900.			
Jan. 8.	L. S. Foster, January Bulletin.....	36 50	
Feb. 7.	L. S. Foster, February Bulletin.....	36 50	
" 26.	L. S. Foster, 9th Annual Directory.....	175 00	
Mar. 14.	L. S. Foster, March Bulletin.....	36 50	
" 20.	New Era Printing Co., Circulars.....	13 85	
" 20.	N. L. Britton, Stamped Envelopes.....	47 20	
Apr. 7.	L. S. Foster, April Bulletin.....	36 50	
" 12.	New Era Printing Co., Envelopes.....	2 96	
May 7.	L. S. Foster, May Bulletin.....	36 50	\$ 531 01
Balance on deposit.....			\$ 268 69

ACCOUNT OF SOCIETIES' FUND.

Receipts.

1899.			
May 18.	Balance on deposit.....	\$ 1 94	
1900.			
Mar. 16.	N. Y. Academy of Sciences, ...	32 58	
" 30.	N. Y. Mineralogical Club.....	6 52	
" 31.	N. Y. Microscopical Society.....	7 31	
Apr. 6.	N. Y. Entomological Society.....	4 54	
" 24.	N. Y. Section, Amer. Chem. Society.....	35 74	\$ 88 63

REPORT OF THE TREASURER.—Continued.

ACCOUNT OF JOHN STRONG NEWBERRY FUND.

Receipts.

1899.			
May 18.	Balance on deposit.....	\$ 1166 73	
July 1.	Interest to date.....	20 33	
1900.			
Jan. 1.	Interest to date.....	19 90	
Mar. 5.	Contribution.....	10 00	\$1216 96

Disbursements.

1899.			
July 17.	Grant to E. S. Burgess.....		50 00
	Balance on deposit.....		\$1166 96

ACCOUNT OF BUILDING FUND.

Receipts.

1899.			
Nov. 9.	Contribution.....		\$ 50 00

Respectfully submitted,

E. G. LOVE,
Treasurer.

Audited and found correct : May 17, 1900.

L. S. FOSTER,
M. T. BOGERT.

Papers Presented before the Societies.

October 1899 to June 1900.

JEROME ALEXANDER : The Importance and Trend of Recent Work on the Chemistry of Life and the Products of Life. Chemical Society, December 8, 1899.

JOHN ASPINWALL : The Anatomy, Physiology and Habits of the Honey Bee ; illustrated by lantern slides. Microscopical Society, January 5, 1900. Sexual Organs, Methods of Mating and the Theory of Parthenogenesis of the Honey Bee ; illustrated by lantern slides. Microscopical Society, February 2, 1900. The Story of a Forgery ; illustrated. Microscopical Society, April 20, 1900.

RALPH W. BAILEY : Note on Analysis of a Saline Deposit from Southern Nevada. Chemical Society, April 6, 1900.

CHAS. BARNARD : Some Recent Changes in Shoreline of Nantucket. Academy of Sciences, November 20, 1899.

GEO. N. BAUER : The Parallax of μ *Cassiopeiae* and the position of 56 neighboring stars as deduced from the Rutherford Photographic measures. Academy of Sciences, February 5, 1900.

W. BEUTENMULLER : Note on the capture of *Schinia brevis*. On the Peach borer *Sanninoidea*. Entomological Society, October 17, 1899. Notes on *Melittia* and *Tarsa asilipennis* and varieties. Entomological Society, November 7, 1899. The Camera as an Aid in the Study of Insects ; illustrated by many lantern slides. Entomological Society, November 21, 1899. Illustrations of N. A. Sesiidae, with Notes on their Habits. Entomological Society, March 6, 1900. Two new Sesiidae collected by Mrs. A. T. Slosson. *Thecla ilavia* (new sp.). Entomological Society, March 6, 1900. A new *Sesia* from New Jersey. Entomological Society, May 15, 1900.

M. A. BIGELOW : Embryology of *Lepas*. Academy of Sciences, April 6, 1900.

H. BIRD : Oviposition in *Hydroecia* ; illustrated with immature and perfect stages. Entomological Society, January 2, 1900.

F. BOAS : The Eskimo of Hudson Bay. Academy of Sciences, November 27, 1899. The Growth of Children. Academy of Sciences, February 23, 1900. The Eskimos of Cumberland Sound. Academy of Sciences, April 23, 1900.

M. T. BOGERT and AUGUST GOTTHELF: A new Synthesis in the Pheniazin Series. Chemical Society, February 9, 1900.

WILLIAM B. BRAISLIN: A Trip to the Eastern Shore of Virginia (with William C. Rives). Linnæan Society, January 9, 1900.

C. L. BRISTOL: A Report of the New York University Expedition to the Bermuda Islands in the Summer of 1899. Academy of Sciences, November 13, 1899.

ELIZABETH G. BRITTON: Notes on Ferns. Torrey Botanical Club, October 25, 1899.

N. L. BRITTON: Notes on Species of *Crataegus*. Torrey Botanical Club, December 12, 1899. On the Flowering Plants collected by Mr. R. S. Williams in the Yukon Territory, 1898-1899; illustrated by the collection. Torrey Botanical Club, February 28, 1900.

E. F. BUCHNER: On Number Forms. Academy of Sciences, January 22, 1900.

R. ELLSWORTH CALL: The Newburg Mastodon and its Associated Fauna. Academy of Sciences, March 12, 1900. Some Preliminary Notes on Crystal Growths in Mammoth Cave. Academy of Sciences, April 16, 1900.

J. MCK. CATTELL: On Relations of Time and Space in Vision. Academy of Sciences, January 22, 1900.

FRANK M. CHAPMAN: Bird Studies with a Camera; illustrated with numerous lantern slides. Linnæan Society, October 10, 1899. A Naturalist in Cuba. Public Lecture; illustrated by lantern slides. Linnæan Society, January 11, 1900.

CARLTON C. CURTIS: Seaweeds; Illustrated by the lantern. Torrey Botanical Club, November 25, 1899.

BERGEN DAVIS: The Bernouilli Effect Produced in Stationary Sound Waves. Academy of Sciences, May 7, 1900.

BASHFORD DEAN: Contributions to the Devonian Fish Fauna of Ohio. Academy of Sciences, December 11, 1899. On the Egg of *Myxine glutinosa*. Academy of Sciences, January 8, 1900.

R. L. DITMARS: The Care of Captive Snakes; illustrated by living specimens. Linnæan Society, March 27, 1900.

WILLIAM DUTCHER: Home Life of Birds through a Camera; illustrated with lantern slides. Linnæan Society, November 28, 1899.

JONATHAN DWIGHT, JR. Canadian Birds of August. Linnæan Society, October 24, 1899. The Sequence of Plumages and Moults of the Ptarmigans; illustrated with a series of specimens. Linnæan Society, January 23, 1900. The Wear of Feathers. Linnæan Society, February 27, 1900.

H. G. DYAR : Notes on the Larvæ Cases of *Lacosomidæ*, and life-history of *Lacosoma chiridota*. Entomological Society, May 15, 1900.

LIVINGSTON FARRAND : Basketry Designs of the Salish Indians. Academy of Sciences, October 23, 1899. Recent Researches in Central Australia. Academy of Sciences, April 23, 1900.

GEO. I. FINLAY : A new Occurrence of Nepheline Syenites and Associated Dikes in the State of Tamaulipas, Mexico, with a review of the distribution of these rocks in North America. Academy of Sciences, May 21, 1900.

MISS E. A. FOSTER : The Birds of Tennyson's Poems. Linnæan Society, May 22, 1900.

C. B. FURNESS : Catalogue of Stars within one degree of the North Pole and the Optical Distribution of the Helsingfors Astrophotographic Telescope. Academy of Sciences, April 21, 1900.

G. B. GERMANN : The Acquirement of Motor Habits. Academy of Sciences, May 28, 1900.

HARRIET W. GIBSON : The Chemistry of Corn Oil. First Paper : Determinations of the Constants (with Herman F. Vulte). Chemical Society, December 8, 1899.

WM. J. GIES : The Influence of Protoplasmic Poisons on the Formation of Lymph. Academy of Sciences, January 8, 1900. Some Chemical Notes on the Composition of the Cocoanut (with J. E. Kirkwood). Academy of Sciences, May 14, 1900.

RAFAEL GRANJA : The Mordanting and Dyeing of Silk. Chemical Society, October 6, 1899.

DAVID GRIFFITHS : Structure and Development of the *Sordariaceæ*. Academy of Sciences, January 8, 1900. On some Saprophytic Fungi. Torrey Botanical Club, April 25, 1900.

R. W. HALL : On the Oxidation of Platinum. Chemical Society, June 8, 1900.

WM. HALLOCK : Compound Harmonic Vibrations of a String. Academy of Sciences, October 2, 1899. The Overtones of a Tuning Fork. Academy of Sciences, April 2, 1900. Notes on Specific Gravity Weighings. Academy of Sciences, April 2, 1900. The Nature of the Atom as indicated by Recent Spectrum Analysis. Public Lecture, Academy of Sciences, April 30, 1900.

A. C. HAMLIN : The Tourmalines of Mount Mica and elsewhere in Maine. Mineralogical Club, December 13, 1899.

C. C. HARROLD : The Significance of Carbohydrates in Muscle. (With F. S. Lee.) Academy of Sciences, May 3, 1900.

ALLEN HAZEN : Exhibition of Lantern Slides illustrating Filters for purifying Public Water Supplies. Chemical Society, January 5, 1900.

STEPHEN HELM : British Echinidæ ; illustrated by a series of lantern slides and specimens. Microscopical Society, October 6, 1899.

ARTHUR H. HELME : Notes on some Long Island Mammals. Linnæan Society, April 10, 1900.

B. F. HILL : A Contribution to the Geology of a Part of Sonora, Mexico. Academy of Sciences, May 21, 1900.

ARTHUR HOLLICK : The Discovery of a Mastodon's Tooth and Remains of a Boreal Vegetation on Staten Island. Academy of Sciences, November 13, 1899.

E. O. HOVEY : The Black Hills of South Dakota ; their Geology and Mineralogy ; Public Lecture, illustrated by numerous lantern slides. Mineralogical Club, January 25, 1900. Scenery of the Harvey Peak District in the Black Hills, S. D. ; illustrated. Academy of Sciences, April 16, 1900.

A. HEDLICKA : Observations on the Navahoes, Physical and Physiological. Academy of Sciences, November 27, 1899.

M. A. HOWE : Vegetable Reproduction by Means of Brood Organs in the *Hepaticæ*. Academy of Sciences, December 11, 1899. The *Hepaticæ* ; Public Lecture, illustrated by lantern slides. Torrey Botanical Club, May 8, 1900.

G. S. HUNTINGTON : Some Muscle Variations of the Pectoral Girdle. Academy of Sciences, February 12, 1900.

J. D. HYATT : Nature Study in Bermuda ; illustrated by lantern slides. Microscopical Society, March 2, 1900.

D. T. JACKSON : Normal Chlorine Map of Long Island. (With G. C. Whipple.) Chemical Society, March 9, 1900.

T. A. JAGGAR, JR. : Geysers : their Action and Mineralogical Products. Public Lecture, illustrated by a working model of a geyser in action and by lantern slides. Mineralogical Club, January 18, 1900.

A. L. JONES : The Symbolical Character of Geometrical Forms as a Principle of Explanation. Academy of Sciences, March 26, 1900.

L. H. JOUTEL : On the larva of *Scopsis fulvicollis*. Entomological Society, October 3, 1899. Work of *Termes flavipes* (White Ant). Entomological Society, October 17, 1899. The Eggs of the two *Clisiocampas* (tent caterpillars). Entomological Society, October 7, 1899. Method of collecting *Parnidæ*. Entomological Society, May 1, 1800.

CHAS. H. JUDD: Movement and Consciousness. Academy of Sciences, October 23, 1899. Studies in Visual Expression. Academy of Sciences, May 28, 1900.

WM. D. KEARFOTT: A new Insect Trap for Collecting Moths, with exhibition of specimens taken. Entomological Society, December 5, 1899. Fall Collecting of *Lepidoptera* in the Pine Barrens of Florida. Entomological Society, February 6, 1900.

J. F. KEMP: Recent Theories regarding Causes of Glacial Climate. Academy of Sciences, December 18, 1899. Metamorphosed Dikes in Mica Schists of Morningside Heights. Academy of Sciences, December 18, 1899.

J. E. KIRKWOOD: Some Chemical Notes on the Composition of the Coconut (with W. J. Gies). Academy of Sciences, May 14, 1900.

A. L. KROEBER: Symbolism of the Arapahoe Indians. Academy of Sciences, February 23, 1900.

HENRY B. KÜMMEL: The Palisades; illustrated by lantern slides. Academy of Sciences, March 19, 1900.

G. LAGAI: Exhibition of Specimens of Transformation and Mimicry of Insects. Entomological Society, May 1, 1900.

F. S. LEE: The Survival of Muscle after Somatic Death. Academy of Sciences, January 8, 1900. The Significance of Carbohydrates in Muscle (with C. C. Harrold). Academy of Sciences, May 19, 1900.

F. W. LEGGETT: Insect Vision; illustrated by preparations. Microscopical Society, March 16, 1900.

WILLIAM P. LEMMON: Notes on the taking of a Duck Hawk's Nest on the Palisades; illustrated by a series of photographs. Linnæan Society, December 26, 1899.

P. A. LEVENE: On the Chemistry of Mucin. Chemical Society, November 10, 1899. On a Method of Obtaining Nucleic Acid. Chemical Society, April 6, 1900. Modern Researches on the Chemistry of the Proteid Molecule. Chemical Society, May 11, 1900.

H. R. LINVILLE: An account of Zoölogical Explorations in Puget Sound during the Summer of 1899. Academy of Sciences, December 11, 1899.

FRANCIS E. LLOYD: The Relationships of Certain Rubiaceæ. Torrey Botanical Club, January 9, 1900. The Genus *Lycopodium* in North America. Academy of Sciences, April 9, 1900. Studies in the Genus *Lycopodium*. Torrey Botanical Club, April 10, 1900.

A. C. LONGDEN : Resistance of Thin Films deposited by Kathode Radiation. Academy of Sciences, March 5, 1900. Selenium Rings. Academy of Sciences, March 5, 1900.

E. G. LOVE : Note on *Ommatostola Lintneri*. Entomological Society, October, 3, 1899.

C. LUMHOLTZ. Symbolism of the Huichol Indians. Academy of Sciences, February 23, 1900.

D. T. MACDOUGAL : The Mycorrhiza. Torrey Botanical Club, October 25, 1899. Studies on *Hexalectris*. Torrey Botanical Club, December 12, 1899. Symbiosis of Roots and Fungi. Academy of Sciences, March 12, 1900.

J. H. MACGREGOR : On the Development of the Skull in *Ceratodus*. Academy of Sciences, February 12, 1900.

J. A. MATHEWS : A Preliminary Study of the Cobalti-Cyanides (with E. H. Miller). Chemical Society, December 8, 1899. Laboratory Method for the Continuous and Uniform Generation of Acetylene and its Purification. Chemical Society, January 5, 1900. Upon the Carbide of Gold (with L. L. Watters). Chemical Society, January 5, 1900. Cobalti-cyanides of Bismuth. Chemical Society, May 11, 1900.

W. D. MATTHEW : Notes on the Geology of the Laramie Plains and Rattlesnake Mountains of Wyoming. Academy of Sciences, December 18, 1899.

WILLIAM MCMURTRIE : Some Notes on the Year's Progress in Applied Chemistry. Chemical Society, November 10, 1899.

E. H. MILLER : A Preliminary Study of the Cobalti-Cyanides (with J. A. Mathews). Chemical Society, December 8, 1899.

HUGO MUNSTERBERG : The Psychical and Physical World ; Public Lecture. Academy of Sciences, October 30, 1899.

H. F. OSBORN : On the Relations of the Centra and Intercentra in the Cervical Vertebrae of Lizards, Mososaurs and Sphenodon. Academy of Sciences, November 13, 1899. The Geological and Faunal Relations of Europe during the Tertiary Period and the Theory of the Successive Invasions of the Ethiopian Fauna ; Presidential Address. Academy of Sciences, February 26, 1900.

R. OTTOLENGUI : On the genus *Calocampa* ; illustrated by microscope slides and exhibition of all the species. Entomological Society, January 2, 1900.

I. H. PARKES : The Neuron Theory in the Light of Recent Discoveries ; Public Lecture. Academy of Sciences, January 29, 1900.

F. B. PECK : On Serpentine and Tales in Vicinity of Easton, Pa. Academy of Sciences, January 15, 1900.

PROF. RAOUL PICTET : A New Industrial Process for the Separation of Oxygen, Nitrogen and Carbonic Acid from Atmospheric Air at extraordinary small cost. Chemical Society, March 9, 1900.

C. L. POLLARD : Types of Vegetation on the Florida Keys ; illustrated by the lantern. Torrey Botanical Club, November 14, 1899.

THOMAS PROCTOR : Our Chewink and his Friend : A Story from an Aviary, with living Illustrations. Linnæan Society, December 12, 1899.

M. I. PUPIN : Long Electrical Waves ; with experimental demonstrations. Academy of Sciences, December 4, 1899. A New Faradmeter. Academy of Sciences, April. 2, 1900.

J. K. REES : November Meteor Showers ; illustrated. Academy of Sciences, November 6, 1899. Report on November Meteors. Academy of Sciences, February 5, 1900. The Variation of Latitude and the Constant of Aberration of Light, as determined from six and a half Years' Observations made at the Columbia University Latitude Observatory. Academy of Sciences, February 5, 1900.

H. RIES : Notes on the Occurrence of Allanite in the Yosemite Valley. Academy of Sciences, January 15, 1900.

WILLIAM C. RIVES : A Trip to the Eastern Shore of Virginia. (With William C. Braislin.) Linnæan Society, January 9, 1900.

A. J. ROSSI : A Practical Electric Furnace. Chemical Society, December 8, 1899.

H. H. RUSBY : The Tendency of Entomophilous Flowers to Antero-posterior Irregularity. Torrey Botanical Club, February 13, 1900.

P. A. RYDBERG : The Phytogeography of Montana. Torrey Botanical Club, March 13, 1900.

M. H. SAVILLE : Notes on the Mexican Codex Telleriano-Remensis. Academy of Sciences, November 27, 1899.

C. SCHAEFFER : On Some Species of *Cychnus* (*Guyoti*, *Andrewsi*, *Ridingsi*). Entomological Society, October 17, 1899. Exhibition of a Collection of *Scydmenidae* and *Pselaphidae* made by P. Jerome Schmitt, with Notes on Collecting. Entomological Society, February 6, 1900. A new *Parnid* from Arizona, and a new *Anomala* from Florida. Entomological Society, May 1, 1900.

ERNEST SCHERNIKOW : A Description of the Haddam Neck (Conn.) Mineral locality ; the Tourmalines found there and their associates. Mineralogical Club, March 20, 1900.

E. SHOEMAKER : Exhibition of Moths taken at Sugar. Entomological Society, December 5, 1899.

H. A. SIEBRECHT : On Cultivated Palms. Torrey Botanical Club, January 31, 1900.

EUGENE SMITH : Notes on Some Local Fishes and Batrachians. Linnæan Society, April 24, 1900.

JOHN B. SMITH : Studies in the Habits of Underground Insects. Entomological Society, December 19, 1899.

J. C. SMOCK : On the Protection of the Palisades. Academy of Sciences, March 19, 1900.

R. SOUTHWICK : Some Insect Tenants of our Homes and Grounds. Illustrated by a series of lantern slides. Entomological Society, January 16, 1900.

T. C. STEARNS : The Chemistry of Materials used in Perfumery and Kindred Arts. Chemical Society, June 8, 1900.

J. J. STEVENSON : The Section of Schoharie, N. Y. Academy of Sciences, October 16, 1899. C. Bertrand's Theory Respecting the Origin of Certain Coals. Academy of Sciences, January 15, 1900.

G. C. STONE : Rapid Method of Separation of Cadmium Bismuth from Zinc and Manganese. Chemical Society, June 8, 1900.

F. B. SUMNER : Kupfer's Vesicle in Relation to Gastrulation and Concrescence. Academy of Sciences, February 12, 1900.

E. L. THORNDIKE : On Mental Fatigue. Academy of Sciences, October 23, 1899. The Mental Life of Animals. Academy of Sciences, March 12, 1900. Weber's Law in Judgments of Comparison with a Mental Standard. Academy of Sciences, March 26, 1900.

M. TOCH : The History of Photo-Chemical Improvement ; illustrated. Chemical Society, February 9, 1900.

M. TRUBEK : The Technical Analysis of Licorice Paste. Chemical Society, November 10, 1899.

L. M. UNDERWOOD : On the Genera of the *Schizaceæ*. Torrey Botanical Club, December 12, 1899.

CORNELIUS VAN BRUNT : Autumn Wild Flowers. Torrey Botanical Club, March 28, 1900 ; Public Lecture illustrated by lantern slides.

C. W. VOLNEY : On the Reactions of Alkalis with the Cellulose Nitrates. Chemical Society, January 5, 1900. New Extraction Apparatus. Chemical Society, May 11. Artificial Musk. Chemical Society, May 11, 1900. .

HERMANN T. VULTE : The Chemistry of Corn Oil. First Paper : Determination of the Constants. (With Harriet W. Gibson.) Chemical Society, December 8, 1899. Comparison of Iodine and Bromine Figures of various Fatty Oils (with Lily Logan). Chemical Society, June 8, 1900.

JAMES WALKER : Exhibition under the Microscope of minute Tourmaline Crystals. Mineralogical Club, March 20, 1900.

H. S. WASHINGTON : The Magnet Cove Laccolith, Arkansas. Academy of Sciences, February 19, 1900.

L. L. WATTERS : Upon the Carbide of Gold. (With J. A. Mathews.) Chemical Society, January 5, 1900.

A. C. WEEKS : Notes on the Oviposition of *Vanessa antiopa*. Entomological Society, May 1, 1900.

G. C. WHIPPLE : Normal Chlorine Map of Long Island. (With D. T. Jackson.) Chemical Society, March 9, 1900.

C. WISSLER : Some Phenomena of Indirect Vision. Academy of Sciences, January 22, 1900.

DURAND WOODMAN : Technical Analysis of Rope and Twine. Chemical Society, February 9, 1900.

R. S. WOODWARD : An Account of the Jubilee of Sir George G. Stokes. Academy of Sciences, March 5, 1900.

R. S. WOODWORTH : The Fatigue of Voluntary Movements. Academy of Sciences, March 26, 1900.

DIRECTORY.

NOTE: The letters following the address indicate membership in the Societies of the Alliance, viz.—“A” New York Academy of Sciences; “B” Torrey Botanical Club, “C” New York Section of the American Chemical Society; “E” New York Entomological Society; “L” Linnean Society of New York; “M” New York Microscopical Society; “Mi” New York Mineralogical Club.

ABBOTT, CLINTON G., 336 West 71st St.	L
ACKERMAN, FRANZ W., 54 Livingston St., Brooklyn, N. Y.	C
ADAMS, EDW. D., 455 Madison Ave.	A
ADLER, DR. J., 12 East 60th St.	A
ADRIANCE, J. S., 105 East 39th St.	C
AGARD, MISS SARAH J., 137 Western Ave., St. Paul, Minn.	B
AKHURST, JOHN, 78 Ashland Place, Brooklyn, N. Y.	L
ALEXANDER, JEROME, 502 West 45th St.	C
ALLEN, CHARLES L., Floral Park, N. Y.	B
ALLEN, CHARLES M., Pratt Institute, Brooklyn, N. Y.	C
ALLEN, J. A., PH.D., Am. Mus. Nat. History	A, B, L
ALLEN, RICHARD F., West New Brighton, N. Y.	C
ALLEN, PROF. T. F., M.D., 3 East 48th St.	A, B
ALLISON, WILLIAM O., 100 William St.	C
ALPERS, WILLIAM C., Bayonne, N. J.	B
ALSOP, WILLIAM K., 30 Ferry St.	C
AMEND, B. G., 205 3rd Ave.	A, C, Mi
AMEND, OTTO P., 205 Third Ave.	B, C
ANDERSON, A. A., 80 West 40th St.	A
ANDERSON, A. J. C., 127 Water St.	M
ANDREINI, J. M., 29 West 75th St.	A
ANDREWS, MISS MARY S., 283 Elizabeth St.	B
ANNISON, FRED G., Undercliff, N. J.	C
ANSBACHER, LOUIS A., 4 Murray St	C
ANTHONY, R. A., 591 Broadway.	A
APGAR, ELLIS A., South Orange, N. J.	B

APPLETON, MISS MARY, Riverdale, N. Y. City	B
ARNAUD, JOSEPH J, 409 East 78th St.	B
ARNOLD, E. S. F., M.D., Nat. Hist. Society, Newport, R. I.	A, Mi
ARNOLD, MRS. FRANCES B., 101 West 78th St.	B
ARNOTT, G. W. CAMPBELL, 4 Cedar St.	C
ASHBY, GEORGE E., 80 Pine St.	M, Mi
ASPINWALL, JOHN, 339 Broadway	M
ASTOR, JOHN JACOB, 23 West 26th St.	A
AUSTEN, PROF. P. T., PH.D., 52 Beaver St.	C
AVERY, SAMUEL P., 4 East 38th St.	L
AVERY, MRS. SAMUEL P., 4 East 38th St.	L
AXTELL, FRANK C., P. O. Box 116 Short Hills, N. J.	C
AYLSWORTH, J. W., East Orange, N. J.	C
BAEKELAND, LEO, M.D., Nepera Park, N. Y.	C
BAER, S. H., 158 Chambers St.	C
BAILEY, MISS HARRIET B., 830 Amsterdam Ave.	B
BAILEY, JAMES M., 77 Madison Ave.	A
BAILEY, RALPA W., 1165 East Jersey St. Elizabeth, N. J.	C
BAKER, HAYDEN, M.D., 27 Hart St., Brooklyn, N. Y.	C
BAKER, THEODORE, Pompton Lakes, N. J., Box 116.	C
BALDWIN, HERBERT B., 906 Broad St., Newark, N. J.	C
BALTZLY, E. B., Box 63, Perth Amboy, N. J.. . . .	C
BARBER, H. G., 221 West 133rd St.	E
BARNHART, JOHN H., Tarrytown, N. Y.	B
BARRON, LEONARD, Rhinelander Building, Rose and Duane St.	B
BARSTOW DONALD M., M.D., P. O. Box 57, Flushing, N. Y.	B
BARTLEY, E. H., M.D., 21 Lafayette Ave., Brooklyn, N. Y.	C
BASSETT, WILLIAM H., Newark, N. J., care of N. J. Zinc Co.	C
BASTEDO, W. A., Ph.G., St. Luke's Hospital	B
BAXTER, GEORGE S., JR., 18 Wall St.	L
BAXTER, JAMES N., Division and Canton Sts., Brooklyn, N. Y.	B
BEACH, FREDERICK C., 361 Broadway	A
BEACH, MISS GRACE B., 322 St. Nicholas Ave.	L
BEARD, DANIEL C., 204 Amity St., Flushing, N. Y.	A, L
BECK, FANNING C. T., 78 East 56th St	A

BECK, OSCAR C., 470 2d St., Brooklyn, N. Y.	C
BEEBE, C. WILL, N. Y. Zoological Park.	L
BEEKMAN, GERARD, 47 Cedar St.	L
BEERS, M. H., 408 Broadway	A, L
BELMONT, AUGUST, 23 Nassau St.	L
BENNETT, HENRY C., 256 West 42d St.	M
BERINGER, GEORGE M., 5th and Federal Sts., Camden, N. J.	B
BERMINGHAM, JOSE DE, M.D., 113 West 43rd St.	M
BERNHEIM, GEO. B., 74 East 79th St.	C
BERRIAN, CHARLES M., 88 Wall St.	L
BERRY, EDWARD W., News Building, Passaic, N. J.	A, B, L
BERRY, W. G., 329 West 83rd St.	C
BERTELLI, RICCARDO, 20 West 16th St.	C
BEST, GEORGE N., M.D., Rosemont, N. J.	B
BEUTENMÜLLER, WM., Am. Mus. Nat. History	B, E
BEYER, GUSTAVE, 511 East 117th St.	E
BICKMORE, A. S., Ph.D., Am. Mus. Nat. History	A
BICKNELL, EUGENE P., 32 Nassau St.	B
BIEN, JULIUS, 140 Sixth Ave.	A
BIGELOW, EDWARD F., Stamford, Conn.	M
BIGELOW, MAURICE A., Teachers College, Columbia University.	A
BIGGS, CHARLES, 13 Astor Place	A
BIRD, HENRY, Rye, N. Y.	E
BIRD, HERBERT S., Ninth St. and Gowanus Canal, Brooklyn, N. Y.	C
BIRD, M. LANGDON, 168 Lexington Ave.	L
BISCHOFF, ERNST, 87 Park Place	C
BISHOP, LOUIS B., M.D., 77 Whitney Ave., New Haven, Conn.	L
BLACKMORE, HENRY S., 206 South Ninth Ave., Mount Vernon, N. Y.	C
BLAKE, ELI W., 11 Broadway	L
BLAKE, GEORGE H., 12 Highland Ave., Jersey City, N. J.	M
BLAKE, J. A., M.D., 437 West 59th St.	A
BLAKESLEE, GEORGE W., 28 West 26th St.	M
BLISS, PROF. CHARLES B., Leonard's Bridge, Conn.	A
BLOCK, JOHN G., 25 Hague St., Jersey City, N. J.	B
BLODGETT, MRS. WILLIAM T., 24 West 12th St.	B

BOAS, FRANZ, PH.D., Am. Mus. Nat. History	A
BOGERT, PROF. MARSTON T., Columbia University	C
BOHM, DR. L. K., 320 Broadway	C
BOLLES, REV. E. C., D.D., Melrose, Mass.	B, M
BOLTON, H. CARRINGTON, Cosmos Club, Washington, D. C. . . .	A
BOND, FRANK S., 38 West 51st St.	L
BOOKMAN, S., 9 East 62nd St.	C
BOORAEM, J. V. V., 204 Lincoln Place, Brooklyn, N. Y. . . .	C
BORLAND, C. R., Oakland, N. J.	C
BOROSCHEK, LEOPOLD, 149 East 56th St.	C
BOWMAN, WALKER, 538 West 14th St.	C
BOYD, JAMES, 12 Franklin St.	A
BOYER, C. S., 3223 Clifford St., Philadelphia, Pa.	B
BOYNTON, J. S., M.D., Canarsie, Brooklyn, N. Y.	B
BRADLEY, EDSON, 45 Broadway	C
BRAISLIN, WILLIAM C., M.D., 217 St. James Place, Brooklyn, N. Y.	L
BRENEMAN, PROF. A. A., 97 Water St.	C
BREVES, RUDOLPH, Rahway, N. J.	C
BRIGGS, T. B., 115 East 73d St.	M
BRIGGS, T. LYNTON, P. O. Box 533, Ridgewood, N. J.	C
BRISTOL, PROF. CHARLES L., New York Univ., University Heights .	A
BRISTOL, JNO. I. D., 1 Madison Ave.	A, L
BRISTOL, MISS MAY, 52 East 23d St.	B
BRITTON, MRS. ELIZABETH G., N. Y. Bot. Garden, Bronx Park .	B
BRITTON, PROF. N. L., PH.D., N. Y. Bot. Garden, Bronx Park .	A, B, M
BROADHURST, W. HOMER, 13 and 21 Park Row, N. Y. City . . .	C
BROCKWAY, F. J., M.D., 254 West 84th St.	B
BROOKFIELD, MRS. W., 516 Madison Ave.	A
BROWN, HON. ADDISON, 45 West 89th St.	A, B
BROWN, ALFRED S., 160 West 76th St.	A
BROWN, DAVID S., JR., 51st St. and North River	C
BROWN, H. F., South Amboy, N. J.	C
BROWN, MRS. HELENA C., 45 West 89th St.	B
BROWN, JOSEPH E., 123 Remsen St., Brooklyn, N. Y.	B, M
BROWN, E. C., 741 St. Nicholas Ave.	A

BROWN, STEWARDSON, Germantown, Philadelphia, Pa.	B
BROWNELL, SILAS B., 322 West 56th St.	A
BROWNING, MRS. W. H., 18 West 54th St.	E
BRÜCK, MRS. L., 1234 Bloomfield St., Hoboken, N. J.	B
BRUCKMANN, G. T., 192 Eighteenth St., Brooklyn, N. Y.	C
BRUCKMANN, MISS LOUISA, 1022 Lexington Ave.	B
BRYAN, WALTER, M.D., 215 St. John's Place, Brooklyn, N. Y.	A
BUCHNER, PROF. EDWARD F., 3 West 63rd St.	A
BUMPUS, PROF. HERMAN C., Am. Mus. Nat. Hist.	A
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BUNTING, MISS MARTHA, 219 West 80th St.	B
BURGESS, PROF. EDWARD S., Ph.D., 11 West 88th St.	B
BURLEIGH, WILLIAM, West Bergen Steel Works, Jersey City, N. J.	C
BURNETT, DOUGLASS, 42 Livingston St., Brooklyn, N. Y.	A
BURNSIDE, CHARLES F., South Amboy, N. J.	C
BURTT, STRATFORD, 840 Halsey St., Brooklyn, N. Y.	C
BURTON, H. C., 228 South St.	L
BYRNES, MISS ESTHER F., Girls' High School, Brooklyn	A
CAHN, LAZARD, 143 East 21st St.	Mi
CALEF, H. W., Room 327, Produce Exchange	M
CALKINS, GARY N., Ph.D., The Beresford, 1 West 81st St.	A
CALL, R. ELLSWORTH, 165 Underwood Ave., Brooklyn, N. Y.	A
CAMMANN, D. M., M.D., 19 East 33d St.	M
CAPPON, THOMAS W., 688 East 139th St.	C
CARNRICK, JOHN, M.D., 756 Park Ave.	M
CARPENTER, MISS IDALETTE, Maplewood, N. J.	B
CARTER, HENRY C., 475 West 143d St.	L
CARVALHO, BERTRAM M., 42 East 133d St.	Mi
CARY, ALBERT A., 95 Liberty St.	Mi
CASAMAJOR, WALTER, 372 Green Ave., Brooklyn, N. Y.	C
CASEY, CAPT. THOMAS L., U. S. Engineers, Vicksburg, Miss.	A
CASSARD, WILLIAM J., 139 West 70th St.	L
CASSEBEER, H. A., JR., 255 Columbus Ave.	B, L
CASWELL, JOHN H., 11 West 48th St.	A
CATHCART, CHARLES S., New Brunswick, N. J.	C

CATHCART, W. R., Maywood, N. J.	C
CATTELL, PROF. J. McK., Columbia University	A
CAWLEY, JOHN, 278 Passaic St., Newark, N. J.	C
CHAMBERLAIN, ARTHUR, 237 N. 7th St., Roseville, Newark, N. J.	Mi
CHAMBERLAIN, REV. L. T., M.D., 222 West 23d St.	A, B
CHAMBERLIN, W. E., M.D., 111 Water St.	C
CHANDLER, PROF. C. F., Ph.D., M.D., Columbia University	A, C
CHAPIN, CHESTER W., 34 West 57th St.	A
CHAPMAN, FRANK M., Am. Mus. Nat. History	A, L
CHEESMAN, TIMOTHY M., M.D., Garrison, N. Y.	A
CHESTER, PROF. ALBERT H., 39 College Ave., New Brunswick, N. J.	A, C, M
CHILDS, JOHN L., Floral Park, N. Y.	L
CHUBB, SAMUEL H., 73 West 118th St.	L
CLARK, EDMUND, 105 Beech St., Flushing, N. Y.	C
CLARK, MRS. WM. WALTER, 27 West 26th St.	B
CLARKE, CHARLES C., Grand Central Station	L
CLARKE, MRS. S. B., 1 West 81st St.	B
CLARKSON, FREDERICK, 45 William St.	L, E
CLENDENIN, MISS IDA, 138 Halsey St., Brooklyn	B
CLUTE, WILLARD N., Binghamton, N. Y.	B
COBLENTZ, VIRGIL, College of Pharmacy, 115 West 68th St.	C
COFFIN, CHAS H., New Rochelle, N. Y.	B
COLBY, EDWARD A., 411 N. J. R. R. Ave., Newark, N. J.	C
COLLINGWOOD, FRANCIS, Elizabeth, N. J.	A, M
COMMISKEY, ARCHIBALD F., 155 Sixth Ave., Brooklyn, N. Y.	C
COMSTOCK, FREDERICK H., 119 West 86th St.	Mi
COMSTOCK, W. P., 460 West 150th St.	E
CONKLING, HON. ALFRED R., 27 East 10th St.	A
CONROY, JOHN P., M.D., 235 East 125 St.	B
CONSTANT, S. VICTOR, 420 West 23d St.	A
CONSTANTINE, THOMAS S., 764 Union Ave.	B
COOK, CHARLES G., 815 Marcy Ave., Brooklyn, N. Y.	C
COOK, ROBERT A., New Brunswick, N. J.	C
COOK, S., Madison, N. J.	B
COOPER, HON. EDWARD, 12 Washington Square N.	A

CORNELISON, R. W., Bloomfield, N. J.	C
CORNISH, R. H., 123 Claremont Ave., Montclair, N. J.	A
COURTNEY, GEO. L., 14 Dey St.	Mi
COX, CHARLES F., 54 East 67 St.	A, B, L, M
COYKENDALL, S. D., 280 Broadway	L
CRAIG, THOMAS, 259 Water St., Brooklyn, N. Y.	B
CRAMPTON, H. E., Columbia University	A
CRANE, FREDERICK, 28 Hillside Ave., Montclair, N. J.	C
CRAWFORD, JOSEPH D., 2822 Frankford Ave., Philadelphia, Pa.	B
CRUMBIE, W. D., 641 Washington St.	C
CUNNINGHAM, RICHARD H., M.D., 200 West 96th St.	A
CURTIS, CARLTON C., PH.D., Columbia University	B
CURTIS, HENRY S., Boys' High School, Brooklyn	A
CURTIS, PROF. JOHN G., M.D., 327 West 58th St.	A
CUTTER, WM., D., 1208 Pacific St., Brooklyn, N. Y.	C
CUTTS, HENRY E., 65 Columbia Heights, Brooklyn, N. Y.	C
DAECKE, ERICH, 1709 Chestnut St., Philadelphia, Pa.	E
DAILY, J. GLANDING, care of Ledoux & Co., 99 John St.	C
DAILEY, W. H., 32 Old Jewry, London E. C., England	A
DAMON, W. E., 13 Union Square	M
DAMON, MRS. W. E., 222 West 23d St.	B
DAVIDSON, GEORGE H., 28 Woodbine St., Brooklyn, N. Y.	C
DAVIDSON, MISS MARY E. S., 78 West 102nd St.	B
DAVIES, WILLIAM G., 34 Nassau St.	A
DAVIS, BERGEN, Columbia University	A
DAVIS, CHAS. B., care of Dr. Wyatt, 39 South William St.	C
DAVIS, CHARLES H., 99 Cedar St.	A
DAVIS, JAMES W., Port Chester, N. Y.	Mi
DAVIS, J. WOODBRIDGE, PH.D., 523 West 173d St.	A
DAVIS, WILLIAM T., 46 Stuyvesant Place, New Brighton, N. Y.	E
DAY, W. S., 551 West End Ave.,	A
DEAN, PROF. BASHFORD, PH.D., Columbia University	A
DEFREMERY, J. L., 44 Broadway	C
DEGHUÉE, J. A., PH.D., 247 Harrison St., Brooklyn, N. Y.	C
DELAFIELD, MATURIN L., JR., 56 Liberty St.	A, B

DEMCKER, ROBERT, Unionport, N. Y.	B
DENISON, C. H., 97 Front St.	Mi
DERBY, W. G., Laurel Hill, N. Y.	C
DEVEREUX, WALTER B., 99 John St.	A
DE VINNE, THEODORE L., 300 West 76th St.	L
DEVOE, FREDERICK W., 101 Fulton St.	A, M
DEWITT, WILLIAM G., 88 Nassau St.	A, M
DICKERSON, EDWARD N., 141 Broadway	A, C
DIETERICH, CHARLES F., 45 Broadway	L
DIETZ, OTTOMAR, 140 Nassau St.	E
DITMARS, RAYMOND L., 1666 Bathgate Ave.	E, L
DIX, REV. MORGAN, S. T. D., 27 West 25th St.	A
DI ZEREGA, LOUIS A., M.D., 58 West 56th St.	L
DODGE, CLEVELAND H., 11 Cliff St.	L
DODGE, FRANCIS D., 60 South Oxford St., Brooklyn, N. Y.	C
DODGE, PROF. RICHARD E., Teachers College.	A
DODGE, WILLIAM E., 262 Madison Ave.	A, B, L
DOERFLINGER, WILLIAM F., 85 Lafayette Ave., Brooklyn, N. Y.	C
DOLL, JACOB, 151 Stanhope St., Brooklyn, N. Y.	E
DONALD, JAMES M., 11 Nassau St.	A
DOREMUS, PROF. CHAS. A., PH.D., 17 Lexington Ave.	A, C
DOREMUS, PROF. R. OGDEN, M.D., 241 Madison Ave.	A
DOSCHER, HENRY, 122 East 37th St.	C
DOUGHTY, MRS. ALLA, 254 West 57th St.	B
DOUGLAS, JAMES, 99 John St.	A
DOUGLAS, O. B., M.D., 123 East 36th St.	L
DOUGLASS, ALFRED, 170 West 59th St.	A, M
DOUGLASS, ANDREW E., 9 East 54th St.	A, L
DRAPER, MRS. M. A. P., 271 Madison Ave.	A
DREYFUS, DR. W. E., 175 West 107th St.,	C
DRUMMOND, ISAAC W., M.D., 436 West 22d St.	A, C
DUDLEY, P. H., Grand Central Station	A, M
DUERDEN, L. L., 262 Lexington Ave., Brooklyn, N. Y.	Mi
DUNHAM, EDWARD K., M.D., 338 East 26th St.	A, C
DUNN, MISS LOUISE, Barnard College	B

DUNSCOMB, MRS. WHITNEY, JR., 132 Nassau St.	B
DUTCHER, WILLIAM, 525 Manhattan Ave.	A, L
DUVIVIER, CHAS. L., 22 Warren St.	A, M
DUVIVIER, ERNEST H., 22 Warren St.	C
DWIGHT, JONATHAN, JR., M.D., 2 East 34th St.	A, L
DYAR, HARRISON G., PH.D., U. S. Nat. Mus., Washington, D. C.	A, E
EAMES, EDWIN H., M.D., 350 State St., Bridgeport, Conn.	B
EASTMAN, ROBERT W., M.D., 140 West 76th St.	L
ECCLES, DAVID C., 191 Dean St., Brooklyn, N. Y.	C
ECCLES, ROBERT G., M.D., 191 Dean St., Brooklyn, N. Y.	B, C
EDGAR, MISS MARY, 32 West 38th St.	B
EDGAR, NEWBOLD, 28 East 39th St.	L
EDGERLY, D. W., Chilton Mfg. Co., College Pt., N. Y.	C
EHRENBERG, FREDERICK, 50 East 125th St.	B
EHRMAN, A. H., 312 Decatur St., Brooklyn, N. Y.	Mi
EIMER, AUGUST, 205 Third Ave.	C
EISNER, M. H., 120 East 27th St.	Mi
EKELEY, JOHN B., Garden City, N. Y.	C
ELBREG, ARTHUR G., 273 West 136th St.	L, M
ELLIOT, DANIEL G., F. R. S. E., Columbian Museum, Chicago, Ill.	L
ELLIOTT, PROF. A. H., PH.D., 4 Irving Place	A, C
ELLSWORTH, WILLIAM, 16 Lafayette Ave., Brooklyn, N. Y.	C, L
EMERSON, MISS JULIA T., 81 Madison Ave.	B
EMMONS, STEPHEN H., M.D., 1 Broadway	C
ENDEMANN, HERMANN, PH.D., 23 William St.	C
ENEQUIST, JOHN, 556 Greene Ave., Brooklyn, N. Y.	C
ENGLISH, GEORGE L., 3 West 18th St.	A, Mi
ENO, WILLIAM PHELPS, 111 Broadway	A
ERICSON, CHARLES, 309 Columbus Ave.	B
EYERMAN, JOHN, Easton, Pa.	A
FADI, LOUIS, P. O. Box 106, Perth Amboy, N. J.	C
FALK, KAUFMAN G., 63 East 74th St.	C
FAIR, HENRY D. M., Box 206, Lewiston, Idaho.	Mi
FARGO, JAMES C., 56 Park Ave.	A
FARLEY, MISS MARY, 751 East 143d St.	B

FARRAND, LIVINGSTON, M.D., Columbia University	A
FARRINGTON, MISS RACHEL W., Lakewood, N. J.	B
FARWELL, OLIVER A., Detroit, Mich.	B
FAY, IRVING W., 177 Woodruff Ave., Brooklyn, N. Y.	C
FAY, L. G., Naval Office	B
FERGUSON, GEO. A., College of Pharmacy, ...	C
FERGUSON, H. B., M.D., College of Pharmacy	B
FERGUSON, W. C., 40 North Parsons Ave., Flushing, N. Y.	C
FIELD, C. DEPEYSTER, 21 East 26th St.	A
FILLION, PROF. FRANCIS, 101 Greene St.	E
FISHER, EDWARD D., M.D., 42 West 45th St.	M
FISHER, HENRY, 108 East 70th St.	C
FITE, C. C., 1 Madison Ave.	C
FITZGERALD, MRS. LOUIS, 253 Lexington Ave.	B
FITZ-RANDOLPH, RAYMOND B., Hoagland Laboratory, Brooklyn, N. Y.	C
FLEMMING, D. D., 249 Washington St., Jersey City, N. J.	M
FLEMMING, ROBERT L., 76 Montgomery St., Jersey City, N. J.	A
FLOYD-JONES, COL. DELANCEY, Union Club	B
FOLEY, ERNEST, 108 East 62d St.	A
FORD, JAMES B., 507 Fifth Ave.	A
FORREST, CHARLES N., Long Island City, N. Y.	C
FOSTER, MISS E. A., 444 Amsterdam Ave.	L
FOSTER, L. S., 30 Pine St.	A, L
FOURNEAUX, EMILE A., 130 West 84th St.	C
FRANK, GEORGE, 1040 De Kalb Ave., Brooklyn, N. Y.	E
FRANK, J. W., 734 East 14th St.	C
FRANKLAND, FRED W., 346 Broadway	A
FRASER, HORATIO W., 262 5th Ave.	M
FRASER, LORAT, 3 West 18th St.	Mi
FRECKELTON, J. W., 169 Monroe St., Brooklyn, N. Y.	Mi
FREEBORN, GEORGE C., M.D., 215 West 70th St.. . . .	A
FRENCH, SAMUEL A., 62 Park Ave.	L
FRICK, JOHN, 8 Liberty Place.	Mi
FRIEDRICH, JAMES J., M.D., 230 East 50th St.	Mi
FRIES, HAROLD H., Ph.D., 92 Reade St.	C

FRISSELL, A. S., 530 5th Ave.	A
FUELLING, J. L., care of Industrial Tablet & Chem. Co., Mercer St. and Mill Road, Jersey City, N. J.	C
FULLER, GEO. A., 220 Broadway	C
FULLER, ROBT. M., M.D., 136 West 42d St.	M
GALLATIN, FREDERICK, 670 5th Ave.	A
GALLIVAN, FRANK B., 56 Prospect Place, Brooklyn, N. Y.	C
GARRETTSON, FRANCIS T., 26 Broad St.	A
GARRIGUES, W. E., 1123 Broadway.	C
GEISLER, JOSEPH F., 6 Harrison St.	C
GERATY, MISS NELLIE, 39 East 76th St.	B
GETMAN, F. H., 196 Atlantic St., Stamford, Conn.	C
GEYER, W. E., PH.D., Stevens Institute, Hoboken, N. J.	C
GIBBS, THEODORE K., 137 Broadway	L
GIBBS, MRS. VIRGINIA B., care of J. K. Gibbs, 146 Broadway	M
GIBSON, MRS. JOHN S., 77 Washington Ave., Newark, N. J.	C
GIDDINGS, HARRY DE WITT, 143 East 27th St.	C
GIES, WILLIAM J., 437 West 59th St.	A, C
GIFFORD, WILLIAM E., 69 Sixth St., Long Island City, N. Y.	C
GILBERT, B. D., Clayville, N. Y.	B
GILLET, LOUIS B., 131 East 76th St.	L
GILMAN, THOMAS P., Palisades, N. Y.	B
GODLEY, GEO. McM., The Endicott, West 81st St.	C
GOLDSCHMIDT, S. A., PH.D., 43 Sedgwick St., Brooklyn, N. Y.	C
GOLDSTEIN, HARRIS, 228 Henry St.	C
GOODENOUGH, ROBT., J., 18 Seventh Avenue, Brooklyn, N. Y.	C
GOODELL, GEO. A., 284 St. Nicholas Ave.	C
GOODHART, LAWRENCE G., Syndicate Building	B
GOODRIDGE, EDWIN A., M.D., 63 Jamaica Ave., Flushing, N. Y.	C, L
GORDON, REGINALD, PH.D., Columbia University	A
GOTTHELF, AUGUST H., Hastings, N. Y.	C
GOULD, EDWIN, Dobbs Ferry, N. Y.	A
GOULD, FRANK J., Irvington, N. Y.	A
GOULD, GEORGE J., 195 Broadway	A
GOULD, MISS HELEN M., Irvington, N. Y.	A

GOULEY, J. W. S., M.D., 11 East 43d St.	A
GRANGER, WALTER W., Am. Mus. Nat. History	L
GRATACAP, LOUIS P., Am. Mus. Nat. History	Mi
GREACEN, THOMAS E., 65 West 48th St.	A
GREEN, HON. ANDREW H., 214 Broadway	A
GREEN, FREDERICK V., 111 Chambers St.	Mi
GREEN, HORACE, 11 Waverly Place	M
GREENWOOD, ISAAC J., 271 West End Ave.	L
GREGORY J. C., Nyack-on-Hudson, N. Y.	Mi, M
GRENZIG, J. A., JR., 25 Starr St., Brooklyn, N. Y.	Mi
GRIFFITHS, DAVID, Ph.D., University of Arizona, Tucson, Ariz.	B
GROSVENOR, W. M., JR., P. O. Box 183, Englewood, N. J.	C
GROTH, CHRISTIAN F., 141 East 40th St.	E
GROUT, A. J., Plymouth, N. H.	B
GRUENBERG, B. C. 641 Washington St.	C
GUSTIN, G. H., 216 Murray St., Elizabeth, N. J.	C
HAAS, REV. G. C. F., 64 East 7th St.	M
HABIRSHAW, W. M., Yonkers, N. Y.	C
HADDEN, ALEXANDER, M.D., 155 East 51st St.	L
HAIGH, DELAGNEL, 11 Broadway	C
HAIGH, FREDERIC, 677 East 24th St.	C
HAINES, E. I., 3 West 18th St.	Mi
HALE, PROF. ALBERT C., 551 Putnam Ave., Brooklyn, N. Y.	C
HALE, FRANK M., 137 Glenwood Ave., Jersey City, N. J.	C
HALL, EVERETT J., Passaic, N. J.	C
HALL, JAMES P., Tribune Building Editorial Rooms.	A
HALL, PROF. ROBERT W., Havemeyer Lab., University Heights	C
HALLOCK, A. P., Ph.D., 440 First Ave.	C
HALLOCK, PROF. WILLIAM, Columbia University	A
HALSTED, PROF. BYRON D., Sc.D., New Brunswick, N. J.	B
HAMILTON, MISS ANNIE E., Baldwins, N. Y.	B
HAMILTON, JAMES A., 426 West 35th St.	M
HANCOCK, W. J., Erasmus Hall High School, Brooklyn, N. Y.	C
HARD, JAMES M. B., 107 Wall St.	M
HARRIS, E. P., Lakewood School, Lakewood, N. J.	C

HARRIS, MRS. ISAAC, 125 St. Marks Ave., Brooklyn, N. Y.	B
HARRIS, WILLIAM C., 385 Broadway	L
HARTFORD, JAS., 100 William St.	C
HASLWANTER, CHARLES, 904 Flushing Ave., Brooklyn, N. Y.	C
HATIÉ, J. CAMOREAU, 42 West 75th St.	L
HAVARD, VALERY, M.D., 162 Golden Hill, Bridgeport, Conn.	B
HAVEMEYER, H. O., 117 Wall St.	C
HAVEMEYER, H. O., JR., 244 Madison Ave.	L
HAVEMEYER, WILLIAM F., 29 West 19th St.	A
HAVENS, FRANKE S., 30 Varick St.	C
HAWKINS, HENRY, Oakland, Bergen Co., N. J.	C
HAY, O. P., PH.D., Amer. Mus. Nat. Hist.	A
HAYNES, A. E., 24 State St.	L
HAYNES, D. O., P. O. Box 1483, N. Y. City	C
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HAZARD, R. G., Peacedale, R. I.	L
HAZEN, ALLEN, 220 Broadway	C
HAZEN, TRACY E., Thomaston, Conn.	B
HEGEMAN, JOHN W., 102 Barbey St., Brooklyn, N. Y.	C
HEIDENHAIN, H., Royal Baking Powder Co., Kent Ave. and Morton St., Brooklyn, N. Y.	C
HELLER, A. A., 411 West Walnut St., Lancaster, Pa.	B
HELLER, MISS L. R., 115 EAST 82d St.	B
HELLER, MAX, 70 East 92d St.	A
HELM, STEPHEN, 122 Bowery	M
HENSHAW, SAMUEL, New York Botanical Garden, Bronx Park	B
HERING, PROF. DANIEL W., University Heights	A
HERO, MISS ANN, Pratt Institute, Brooklyn, N. Y.	C
HERKESHOFF, J. B. F., 19 Pierrepont St., Brooklyn, N. Y.	C
HERRICK, HAROLD, 46 Cedar St	L
HERRICK, WILLIAM H., 24 Morris St., Jersey City, N. J.	C
HERRMAN, MRS. ESTHER, 59 West 56th St.	A, Mi
HERTER, C. A., M.D., 839 Madison Ave.	A
HESSE, BERNARD C., 128 Duane St.	C
HEWITT, HON. ABRAM S., LL.D., 9 Lexington Ave.	A

HEWITT, EDWARD R., Garden City, N. J.	A, C
HEWSON, JAMES H., 872 Broad St., Newark, N. J.	C
HEYLYN, MRS. EDWARD, Pentre-Heylyn Lodge, Manchester, Conn.	B
HICKS, EDWIN F., 203 West 81st St.	C
HILDRETH, THOS. F., 530 W. 123d St.	C
HINCKLEY, J. FRED., 82 Washington St.	C
HINTON, JOHN H., M.D., 41 West 32d St.	A, B
HITCHCOCK, MISS F. R. M., PH.D., 4038 Walnut St., Philadelphia, Pa.	A, B, Mi
HITCHCOCK, ROMYN, 20 Broad St.	A
HODGES, H. B., Long Island City, N. Y.	C
HODGSON, EUGENE H., 848 President St., Brooklyn, N. Y.	C
HOE, HENRY, 91 John St.	A
HOFFMAN, REV. E. A., D.D., 1 Chelsea Square	A, B
HOFFMAN, S. V., Morristown, N. J.	A
HOLDEN, E. R., 13 East 79th St.	L
HOLLICK, ARTHUR, PH.D., Columbia University.	A, B
HOLMES, W., 469 Summer Ave., Newark, N. J.	B
HOLST, L. J. R., 52 Union Square East.	A
HOLT, HENRY, 29 West 23d St.	A, L
HOMER, C. S., JR., 57 Broadway	C
HOPPING, W. W., 111 Broadway	A
HOPPING, ROY, 129 Fourth Ave.	Mi
HORNADAY, WILLIAM T., 183d St. and Southern Boulevard.	A
HORNE, WILLIAM D., Yonkers, N. Y.	C
HOVEY, E. O., PH.D., Am. Mus. Nat. History.	A, Mi
HOWARD, CLARENCE C., M.D., 56 West 51st St.	B
HOWE, ERNEST, 12 Oxford St., Cambridge, Mass.	B
HOWE, PROF. HENRY M., Columbia University.	A
HOWE, M. A., PH.D., N. Y. Botanical Garden, Bronx Park.	A, B
HOYT, ALFRED M., 1 Broadway.	A
HUBBARD, G. C., Tottenville, Staten Island, N. Y.	C
HUBBARD, THOMAS H., 16 West 58th St.	L
HUBBARD, WALTER C., Room 25, Cotton Exchange	A, M
HUG, HERMAN, 400 Hudson St., Hoboken, N. J.	E

HULST, REV. GEORGE D., 15 Himrod St., Brooklyn, N. Y.	B
HUMMELL, A. S., Box 195, High Bridge, N. J.	C
HUNT, JOSEPH H., M.D., 165 Quincy St., Brooklyn, N. Y.	B, Mi
HUNTINGTON, PROF. GEORGE S., M.D., 50 East 73d St.	A
HUNTINGTON, HARWOOD, M.D., 2 East 50th St.	C
HUNTINGTON, S. V. V., 69 East 78th St.	C
HUNZKIER, AUGUST M. D., Paterson, N. J.	C
HUSE, MISS CARRIE, 222 West 23d St.	B
HYATT, J. D., 735 East 138th St.	M
HYDE, B. TALBOT B., 20 West 53d St.	A, L
HYDE, E. FRANCIS, 835 Fifth Ave.	A, L
HYDE, FREDERICK E., M.D., 20 West 53d St.	A, L
HYDE, FREDERICK E., JR., 20 West 53d St.	L
HYDE, FREDERICK S., 215 Schermerhorn St., Brooklyn, N. Y.	C
HYDE, HENRY ST. J., 210 East 18th St.	A, C, Mi
ILES, GEORGE, Park Avenue Hotel	A
IMLACH, WM. B., 309 West End Ave.	C
INGERSOLL, MISS HELEN M., 788 Broadway	B
IRELAND, JOHN B., 31 Nassau St.	A, L
IRVING, JOHN, 550 Park Ave.	L
IRVING, JOHN D., PH.D., U. S. Geological Survey, Washington, D. C.	A
ISAACS, MISS ALICE M., 110 East 73d St.	B
IVISON, DAVID B., University Building, Washington Square E.	L
JACKSON, D. D., 177 6th Ave., Brooklyn, N. Y.	C
JACOBI, ABRAM, M.D., 110 West 34th St.	A
JACOBS, CHARLES B., 44 Broad St.	C
JACOBS, MISS ELIZABETH ANNE, 117 East 82d St.	B
JACOBY, PROF. HAROLD, Columbia University	A
JAGGER, MISS MARGARET, 18 West 58th St.	B
JAMES, D. WILLIS, 40 East 39th St.	A
JELLIFFE, PROF. S. ELY, M.D., PH.D., College of Pharmacy	B
JESUP, MORRIS K., 197 Madison Ave.	A
JESURUN, MORTIMER, M.D., Douglas, Wyoming	L
JOHNSON, EMIL F., 96 Maiden Lane	C
JOHNSON, FRANK EDGAR, 747 Warburton Ave., Yonkers, N. Y.	L

JOHNSON, GEO. A., 220 Broadway	C
JOHNSON, WALTER A., 137 West 103d St.	L
JOHNSTON, MISS MARGARET A., 95 Rivington St.	B
JONES, MISS BEATRICE, 21 East 11th St.	B
JONES, WILLIAM APP, PH.D., 145 West 82d St.	C
JOSEPHSON, EDGAR, 131 Amity St., Brooklyn, N. Y.	C
JOÛET, C. H., Roselle, N. J.	C
JOUTEL, LOUIS H., 164 East 117th St.	E
JUDD, PROF. CHAS. H., New York University, Washington Square E.	A
JULIEN, ALEXIS A., PH.D., Columbia University	A, M, Mi
JULIEN, MISS FANNIE, 964 Lexington Ave.	B
KANE, J. I., 49 West 23d St.	B
KANE, S. NICHOLSON, Knickerbocker Club	A, L
KATO, FREDERICK, 236 Baldwin Ave., Jersey City, N. J.	Mi, M
KEAN, MRS. HAMILTON, 25 East 37th St.	B
KEARFOTT, WM. D., 91 Liberty St.	E
KEARNEY, T. H., JR., U. S. Dept. of Agric., Washington, D. C.	B
KEATOR, CHARLES E., Nostrand and Park Aves., Brooklyn, N. Y.	C
KELLOGG, MISS E. H., 1217 Bloomfield St., Hoboken, N. J.	B
KELSEY, JAMES A., Rutgers College, New Brunswick, N. J.	B
KEMP, PROF. JAMES F., 211 West 139th St.	A, Mi
KENDALL, E. DWIGHT, 1109 Park Place, Brooklyn, N. Y.	C
KENDALL, MRS. E. DWIGHT, 177A St. James Place, Brooklyn, N. Y.	B
KENDIG, REV. A. B., 86 Vernon St., Brookline, Mass.	A, L
KENNEDY, J. S., 6 West 57th St.	A
KENT, WALTER H., PH.D., 292 Clifton Place, Brooklyn, N. Y.	C
KEPPLER, RUDOLPH, 28 West 70th St.	A, L
KEVAN, WILLIAM, 20 West 22d St.	L
KEYSER, SAMUEL K., 14 East 36th St.	A
KIESSIG, C. H., 4 Gold St.	C
KING, F. T., 91 Columbia Heights, Brooklyn, N. Y.	C
KIRSCHGASSER, W. C., 74 and 76 Laight St.	C
KIRSCH, LOUIS, 161 Roebling St., Brooklyn, N. Y.	Mi
KLEIN, OTTO H., 280 Broadway	C, Mi
KNEELAND, FREDERIC R., 56 West 33d St.	C

KNEER, FERDINAND G., M.D., 236 West 51st St.	Mi
KNOOR, AUG. E., 145 High St., Perth Amboy, N. J.	C
KOHNSTAM, LOTHAIR S., 133 East 71st St.	C
KORNMANN, MISS ELISE W., 1030 Park Ave.	B
KOSMAK, GEORGE W., 23 East 93d St.	M
KRAUSE, O. H., PH.D., Prospect Ave., Hackensack, N. J.	C
KRAUSE, W. J., M.D., 216 East 17th St.	M
KRUSKAL, NICHOLAS, M.D., 2196 Eighth Ave.	C
KUDLICH, H. F., M.D., 56 West 17th St.	E
KUNTZE, PROF. DR. OTTO, Villa Gerola, San Remo, Italy	B
KUNZ, GEORGE F., 15 Union Square	A, M, Mi
KUTTROFF, ADOLPH, 128 Duane St.	C
LABONDE, LEON, M.D., PH.D., 174 Lincoln Ave., Newark, N. J.	B
LA FARGE, BANCEL, 51 West 10th St.	L
LAGAI, G., PH.D., Cor. 19th St. and 4th Ave.	C, E
LAMAR, WILLIAM R., care Schieffelin & Co., S. Boulevard St. Anns Ave. and 132d St.	C
LAMB, OSBORN R., 356 West 22d St.	A
LANDER, BENJAMIN, Nyack, N. Y.	Mi
LANGDON, WOODBURY G., 719 5th Ave.	A, L
LANGE, F., M.D., 130 East 61st St.	L
LANGE, J. D., 220 West 79th St.	L
LANGMANN, G., M.D., 121 West 57th St.	A, B, L, E
LANGMUIR, A. C., care Marx & Rawolle, 9 Van Brunt St., Brooklyn, N. Y.	C
LANGMUIR, IRVING, 185 West 135th St.	C
LAUDY, LOUIS H., PH.D., Columbia University	A
LAWLER, CHARLES J., 9 Morton St., Brooklyn, N. Y.	C
LAWRENCE, A. E., 1 West 81st St.	A
LAWRENCE, JOHN B., 126 East 30th St.	L
LAWRENCE, NEWBOLD T., 51 Liberty St.	L
LAWRENCE, RICHARD HOE, 31 Broad St.	B
LAWTON, J. M., 37 Fifth Ave.	A
LEALE, CHARLES A., M.D., 604 Madison Ave.	L
LEÃO, F. GARCIA P., Brazilian Consulate, 23 State St.	A

LE BOUTILLIER, CLEMENT, High Bridge, N. J.	C
LE BRUN, M. M., 8 Mountain Ave., Montclair, N. J.	B, M
LE BRUN, MRS. MARIA O., 8 Mountain Ave., Montclair, N. J.	B
LE CLEAR, THOMAS, 262 Fifth Ave.	M, C
LEDERLE, ERNST J., PH.D., 471 West 143d St.	A, C, M
LEDoux, ALBERT R., PH.D., 99 John St.	A, C
LEE, PROF. FREDERICK S., M.D., College of Physicians and Surgeons	A
LEE, HENRY C., Cornwall-on-Hudson, N. Y.	Mi
LEE, WALDEMAR, Passaic, N. J.	C
LEEDS, PROF. A. R., PH.D., 900 Hudson St., Hoboken, N. J.	A, C
LEGGETT, F. W., 51 East 126th St.	M
LEMBKE, CHAS. F., 21 Union Square.	A
LESHER, MRS. A. L., 9 East 75th St.	E
LESLIE, ROBERT, 64 West 53d St.	B
LEUTLOFF, HERMAN C. A., 229 West 135th St.	L
LEVENE, P. A., 87 Lenox Ave.	C
LEVINE, EDMUND J., 337 West 88th St.	C
LEWIS, MRS. JAMES F., 35 Mount Morris Ave.	B
LEWIS, WALTER H., JR., 11 East 35th St.	B
LICHTENSTEIN, PAUL, 48 Exchange Place	A
LIGHTHIPE, REV. L. H., 42 Main St., Orange, N. J.	B
LINDBO, J. A., Stanton, Nebraska	B
LINVILLE, H. R., 225 East 23d St.	A
LIVINGSTON, L. S., 149 Fifth Ave.	B
LLOYD, PROF. FRANCIS E., Teachers College	A, B
LOEB, PROF. MORRIS, PH.D., 118 West 72d St.	A, C
LOEB, SOLOMON, 37 East 38th St.	A
LOGAN, MISS LILY, Hotel Majestic.	C
LOGAN, WALTER S., 27 William St.	L, B
LOHMANN, HERMAN, JR., 90 Monticello Ave., Jersey City, N. J.	C
LONG, MISS EMILIE O., 442 East 87th St.	B
LOOMIS, HORATIO, 58 West 40th St.	C
LORD, BENJAMIN, M.D., 34 West 28th St.	A, L
LOVE, E. G., PH.D., 80 East 55th St.	A, C, M, E
LOW, HON. SETH, LL.D., Columbia University.	A, L

LOWERY, MRS. LOUISA F., 280 49th St., Brooklyn, N. Y.	Mi
LUQUER, LEA McL., Columbia University	A
LUSK, PROF. GRAHAM, N. Y. University Hospital and Medical College	A
LUTHER, MISS AGNES V., P. O. Box 18, Newark, N. J.	Mi
LYON, PROF. APPLETON P., 25 West 42d St.	B
LYSLE, WALTER S., 507 West 112th St.	C
MCCARTY, EDWIN R., 242 W. 58th St.	Mi
MCCAY, LEROY WILEY, Princeton, N. J.	C
MCCCLINTOCK, EMORY, PH.D., LL.D., 32 Nassau St.	A
MCCOOK, COL. J. J., 10 West 54th St.	A
MCCRACKEN, H. M., LL.D., New York University	A
MCGEORGE, ARTHUR, Delavan and Dwight Sts., Brooklyn, N. Y.	C
MCILHINEY, PARKER C., PH.D., 145 East 23d St.	C
MCINTYRE, MISS LUCY, 303 West 74th St.	B
McKELVEY, J. W., 813 Montgomery St., Jersey City, N. J.	C
MCKENNA, C. F., 221 Pearl St.	C
MCKENZIE, R. MONROE, Rahway, N. J.	C
McKIM, REV. HASLETT, 8 West 48th St.	A, L, B
McLAUGHLIN, CHAS., 874 Broadway	C
McLAURY, FRANK H., M.D., 244 West 42d St.	M
McMILLIN, EMERSON, 40 Wall St.	A
McMURTRIE, WM., PH.D., 100 William St.	C
McNULTY, PROF. JOHN J., 17 Lexington Ave.	A
MACDONALD, A. J., Cotton Exchange Building	L
MACDOUGAL, DR. D. T., New York Botanical Garden, Bronx Park.	B
MACLOSKIE, PROF. GEORGE, PH.D., Princeton Univ., Princeton, N. J.	B
MACNAUGHTON, JAMES, 16 Central Park, West	A
MACY, C. A., 2d, Union Club, 1 West 21st St.	A
MAITLAND, ALEXANDER, 45 Broadway	A, C
MAITLAND, ROBERT L., 10 East 35th St.	L
MALI, ANDRÉ, 93 Willow St., Brooklyn, N. Y.	B
MANGAM, DANIEL C., M.D., 95 Park Ave., Brooklyn, N. Y.	C
MARBLE, MISS DELIA W., Bedford, N. Y.	B
MARBLE, MANTON, Bedford, N. Y.	A
MARC, THEOPHILUS M., 359 N. Y. Produce Exchange	B

MARIÉ, PETER, 6 East 37th St.	A
MARQUAND, HENRY G., 11 East 68th St.	A
MARSHALL, JOHN TRUMBULL, 205 West 106th St.	B
MARSTON, E. S., 291 Clinton Ave., Brooklyn, N. Y.	A
MARTIN, PROF. DANIEL S., PH.D., 756 Quincy St., Brooklyn, N. Y.	A, Mi
MARTIN, T. C., The Monterey, West 114th St.	A
MASON, W. L., 170 Fifth Ave.	A, Mi
MASURY, JOHN W., Center Moriches, N. Y.	C
MATHESON, W. J., 184 Front St.	C
MATTHEW, W. D., PH.D., American Museum Natural History	A
MATHEWS, JOHN A., 4 First Place, Brooklyn, N. Y.	C
MAY, GEORGE H., Hohokus, N. J.	C
MAYERS, MISS BERNICE, 314 Mott Ave.	B
MAYO-SMITH, PROF. RICHMOND, 305 West 77th St.	A
MAYWALD, F. J., 1028 72d St. Brooklyn, N. Y.	C
MEAD, WALTER H., 67 Wall St.	A, M, Mi
MEARNS, EDGAR A., M.D., U. S. A., Newport, R. I.	L
MEHRBACH, WILLIAM, 56 East 72d St.	C
MEITZEN, JULIUS, 525 Linwood St., Brooklyn, N. Y.	E
MELTZER, S. J., M.D., 166 West 126th St.	A
MERRILL, FRED. J. H., PH.D., N. Y. State Museum, Albany, N. Y.	A
MERZ, HENRY, 55 Maiden Lane	C
MERRIAM, HENRY F., Summit, N. J.	C
MEYER, GUSTAVE M., 59 East 77th St.	C
MEYER, MAX, M.D., 157 West 103d St.	A, C
MEYER, T. C., Union Club	A
MILLER, E. H., M.D., Columbia University	C
MILLER, E. S., Floral Park, N. Y.	B
MILLER, GEORGE N., M.D., 811 Madison Ave.	A
MILLER, MRS. H. M., 827 De Kalb Ave., Brooklyn, N. Y.	L
MILLER, P. SCHUYLER, Mt. Prospect Lab., Flatbush Ave., Brooklyn, N. Y.	C
MILLER, THOMAS J., 346 Fourth St., Brooklyn, N. Y.	E
MILLER, WALDRON D. W., 309 La Grande Ave., Plainfield, N. J.	L
MILLS, A. G., 71 Broadway	L

MILLWOOD, JAMES P., 246 Willoughby Ave., Brooklyn, N. Y.	C
MITCHELL, EDWARD, 31 East 50th St.	A
MITCHELL, JOHN MURRAY, 17 Broad St.	A
MOFFATT, MILES R., Mamaroneck, N. Y.	C
MOODY, HERBERT R., 159 West 105th St.	C
MOORE, RUSSELL W., Washington and Christopher Sts.	C
MORGAN, J. L. R., 47 Bayard St., New Brunswick, N. J.	C
MORGAN, J. PIERPONT, 219 Madison Ave.	A
MORGAN, MISS MARIA, 113 East 19th St.	B
MORRE, G. J., JR., 271 West 22d St.	C
MORRIS, ROBERT T., M.D., 58 West 56th St.	L
MORRISON, MRS. PARKER, 212 West End Ave.	L
MORTIMER, W. GOLDEN, M.D., 504 West 146th St.	A
MORTON, HENRY, PH.D., Stevens Institute, Hoboken, N. J.	C
MOSES, PROF. ALFRED J., Columbia University	A
MOTION, JOHN, Care John Ellis & Co., Edgewater, N. J.	C
MULFORD, MISS FANNY A., Hempstead, N. Y.	B
MULLER, HERMAN J., 224 West 26th St.	B
MUNCH, LOUIS T., 1060 2d Ave.	E
MUNSELL, C. E., PH.D., 110 Horatio St.	A, C
MURRAY, MISS CATHARINE, 112 West 80th St.	B
MYERS, JOHN A., M.D., 12 John St.	C
MYERS, PROF. WILLIAM S., Rutgers College, New Brunswick, N. J.	C
NASH, GEORGE V., Williamsbridge, N. Y.	B
NEDHAM, MISS EMILY L., 23 West 82d St.	M
NEDHAM, THOMAS S., 23 West 82d St.	M
NEHER, F., Princeton, N. J.	C
NEIMAN, HOWARD S., 8 East 97th St.	C
NEISH, ARTHUR C., Columbia University.	C
NELSON, MISS HELEN D., 35 East 29th St.	B
NEUSTADT, GEORGE M. S., 234 East 27th St.	C
NEWCOMB, ALBERT S., M.D., 206 West 71st St.	M
NEWMAN, J. W., M.D., Empire Hotel	C
NICHOLS, WILLIAM H., 32 Liberty St.	C
NIESE, H. E., Mathiessen & Wiechers, Jersey City, N. J.	C

NIVEN, WILLIAM, P. O. Box 681, High Bridge	A
NORTHRUP, MRS. A. R., 500 Warburton Ave., Yonkers, N. Y.	B
NOTT, F. J., M.D., 544 Madison Ave.	A
OAKES, F. J., 58 Stone St.	C
OGDEN, HENRY, 7 Pine St.	B
OLCOTT, E. E., 38 West 39th St.	A
OLCOTT, MRS. E. E., 38 West 39th St.	B
OPDYKE, WILLIAM S., 20 Nassau St.	B
ORTH, A., 194 Fulton St.	C
OSBORN, PROF. HENRY F., 850 Madison Ave.	A, L, B
OSBORN, WILLIAM C., 273 Lexington Ave.	L
OTTOLENGUI, R., D.D.S., 155 East 72d St.	E
PAGE, ROBT. W., 527 3d St., Brooklyn, N. Y.	C
PAINE, A. G., JR., Times Building	L
PALM, CHARLES, 172 East 64th St.	E
PALMER, NOAH, 87 Bedford Ave., Brooklyn, N. Y.	M
PARKER, C. E., 150 Alden St., Orange, N. J.	C
PARKER, HERSCHEL C., Columbia University	A
PARKER, T. J., 32 Liberty St.	C
PARMELEE, C. W., Care N. Y. and Boston Dyewood Co., Greenpoint, Brooklyn, N. Y.	C
PARSONS, MRS. FRANCES S., 176 Washington Ave., Albany, N. Y.	B
PARSONS, JOHN E., 111 Broadway	A
PATON, WILLIAM AGNEW, 7 Nassau St.	B
PATTEN, JOHN, 19 Liberty St.	A
PEABODY, HON. CHARLES A., 70 West 21st St.	A
PECKHAM, STEPHEN F., Room 104, 280 Broadway.	C
PECKHAM, WHEELER H., 685 Madison Ave.	A
PEEK, ROBERT L., 99 John St.	C
PELLEW, PROF. CHARLES E., PH.D., Columbia University	A, C, M
PENNIMAN, RUSSELL S., Lock Box 26, Dover, N. J.	C
PERKINS, F. P., Port Chester, N. Y.	Mi
PETTIGREW, DAVID L., P. O. Box 73, Worcester, Mass.	A
PFEIFFER, C. H., 1 West 81st St.	C
PFISTER, J. C., Columbia University	A

PFORDTE, OTTO, 15 Donaldson Ave., Rutherford, N. J.	Mi
PHILLIPS, PROF. A. H., Princeton, N. J.	L
PHILLIPS, W. D., 128 Pearl St.	C
PHOENIX, LLOYD, Union Club	A
PICKHARDT, W. P., 1042 Madison Ave.	C
PIERSON, ISRAEL C., PH.D., 21 Cortlandt St.	A
PIERSON, WILLETT C., 7 St. James Pl., Brooklyn, N. Y.	C
PIFFARD, HENRY G., M.D., 256 W. 57th St.	A
PINNEO, L. W., 29 W. 55th St.	B
PITKIN, LUCIUS, PH.D., 138 Pearl St.	A, C, M
PITMAN, JOHN R., Pompton Lakes, N. J.	C
PITMAN, MISS MARY T., 152 Pitman St., Providence, R. I.	B
POLLARD, CHARLES L., 1839 Fifth St., N. W., Washington, D. C.	B
POLLARD, FRANK A., 413 St. Nicholas Ave.	B
POMEROY, CHARLES T., PH.D., 55 Broad St., Newark, N. J.	C
POOR, PROF. CHARLES L., 4 East 48th St.	A
PORTER, MISS GEORGIA, care Johnson & Johnson, New Brunswick, N. J.	
PORTER, LOUIS H., 45 Broadway	L
PORTER, PROF. THOS. C., D.D., Lafayette College, Easton, Penn.	B
POST, C. A., 16 Exchange Place	A
POST, GEO. B., 11 West 21st St.	A
POUGH, F. H., 146 Hicks St., Brooklyn, N. Y.	C
POWELL, THOMAS H., 53 S. Main St., South Norwalk, Conn.	C
POWERS, MISS E. T., Baldwins, N. Y.	B
PRAY, CHAS. P., Hempstead, N. Y.	C
PRAY, JOSEPH M., 99 Nassau St.	L
PRENTICE, W. P., 52 Broadway	C
PRETZFELD, CHAS. J., 1211 Madison Ave.	C
PRIME, TEMPLE, 26 Broad St.	A
PRIME, WILLIAM C., M.D., 38 East 23d St.	E
PRINCE, PROF. J. DYNELEY, 31 West 38th St.	A
PROCHAZKA, G. A., M.D., 138 West 13th St.	C
PROCHAZKA, JOHN, 15 East 12th St.	C
PRUDDEN, PROF. T. MITCHELL, M.D., 437 West 59th St.	A

PRYER, CHARLES, New Rochelle, N. Y.	B
PUPIN, PROF. M. I., PH.D., Columbia University	A
QUACKENBOS, PROF. J. D., 331 West 28th St.	A
QUACKENBUSH, L. SCHUYLER, 142 West 57th St.	L
QUINTARD, C. H., Norwalk, Conn.	Mi.
RAMSPERGER, GUSTAVUS, 236 East 23d St.	B
RAND, A. W., Plainfield, N. J.	B
READ, DANIEL P., 268 West 73d St.	M
READ, MRS. HENRY, 99 Nassau St.	L
REES, PROF. JOHN K., Columbia University	A
REESE, CHAS. L., Care N. J. Zinc Co., Newark, N. J.	C
REINUS, BERNHARD, Paterson, N. J.	C
RENWICK, EDWARD S., 19 Park Place	C, L
REUBENS, CHARLES M., 108 West 113th St.	C
RICE, PROF. CHARLES, PH.D., Bellevue Hospital	A, C
RICE, MRS. I. L., 400 West End Ave.	A, B
RICH, JACOB M., 50 West 38th St.	B
RICHARDS, A. N., 437 West 59th St.	C
RICHARDS, EDGAR, 341 West 88th St.	C
RICHARDS, H. M., M.D., Barnard College	B
RICHARDSON, CLIFFORD, N. Y. Testing Lab., Long Island City, N. Y.	C
RICKETTS, PROF. P. DEP., PH.D., 104 John St.	A, C
RIEDERER, LUDWIG, 145 West 94th St.	A, M, E
RIES, HIENRICH, PH.D., Cornell University, Ithaca, N. Y.	A, Mi
RIES, MRS. HIENRICH, 128 East Seneca St., Ithaca, N. Y.	B
RIGGS, G. W., 46 East 29th St.	C
RIGGS, LOUIS, W., M.D., Cornell University Medical College	C
RIKER, C. B., Maplewood, N. J.	L
RILEY, R. HUDSON, Bensonhurst, N. Y.	A
RIVES, WILLIAM C., M.D., 1723 I St., Washington, D. C.	B, L
ROBB, HON. J. HAMPDEN, 23 Park Ave.	A, L
ROBBINS, S. H., 20 East 27th St.	L
ROBESON, A. M., 371 West 120th St.	C
ROBINSON, MRS. G. W., 339 West 57th St.	B
ROEBLING, WILLIAM A., 117 Liberty St.	Mi

ROESER, FRED, 240 West 130th St.	C
ROGERS, MRS. AMOS, 165 West 80th St.	B
ROGERS, H. H., 26 East 57th St.	A
ROGERS, MISS J. E., 482 Lexington Ave.	B
ROSCHÉ, JOHN, White Plains, N. Y.	Mi
ROSELL, C. A. O., 268 West Broadway.	C
ROSENBERG, MISS ROSALIE, 128 East 70th St.	B
ROSSI, AUGUSTE J., E.M., 35 Broadway	C
ROTHER, W. G., 226 Stuyvesant Ave., Brooklyn, N. Y.	Mi
ROUX, MISS ROSE T., 359 West 55th St.	B
RUHL, LOUIS, P. O. Box 1999, N. Y. City	C
RUNDALL, CLARENCE, A., Brewster, N. Y.	L
RUSBY, PROF. HENRY H., M.D., 809 De Graw Ave., Newark, N. J., ...	A, B
RUSSAK, FRANK, 46 Exchange Place	A
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SCHLEICHER, F. J., 38 West 10th St., Long Island City	C
SCHNIEWIND, DR. F., United Coke and Gas Co., 36 Wall St . . .	C
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